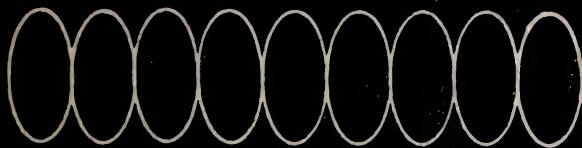


MISSISSIPPI  
SOUTHERN  
COLLEGE

GRADUATE SCHOOL  
ANNOUNCEMENTS  
FOR 1960-1961



HATTIESBURG, MISSISSIPPI



VOLUME 48

JULY 1, 1960

NUMBER 1

## BULLETIN OF MISSISSIPPI SOUTHERN COLLEGE

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### THE GRADUATE SCHOOL

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July, 1960

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HATTIESBURG, MISSISSIPPI

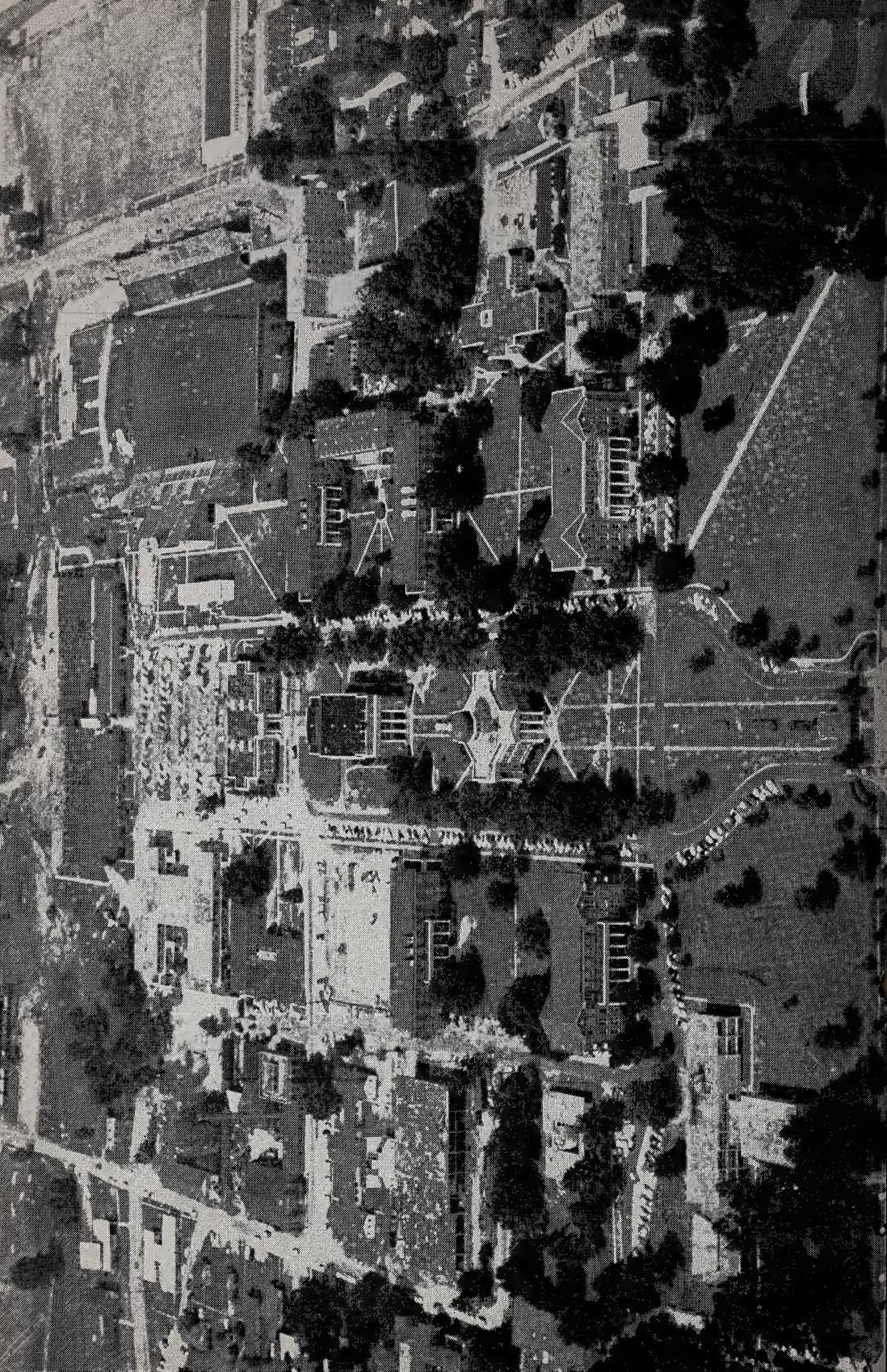
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**GENERAL CALENDAR****FALL QUARTER — 1960-61**

- Monday, September 19  
8:30 A. M. Tests and orientation for freshmen and transfer students  
6:00 P. M. Evening College and Graduate registration  
Night classes begin meeting
- Tuesday and Wednesday, September 20 and 21  
9:00 A. M. Registration for undergraduate students; continued registration for graduate students
- Thursday, September 22  
8:00 A. M. All classes begin meeting on schedule
- Monday, October 31  
8:00 A. M. Beginning of second term of fall quarter
- Saturday, November 19  
Graduate Record Examination
- Wednesday, November 23  
4:00 P.M. Thanksgiving holidays begin (Wednesday night classes will meet)
- Thursday, Friday, Saturday, Sunday, November 24, 25, 26, 27  
Thanksgiving holidays
- Monday, November 28  
8:00 A.M. Class work resumed
- Monday, Tuesday, Wednesday, Thursday, December 12, 13, 14, 15  
Fall quarter examinations and records

**WINTER QUARTER — 1960-61**

- Tuesday, January 3  
6:00 P. M. Evening College and Graduate registration  
Night classes begin meeting
- Wednesday and Thursday, January 4 and 5  
8:00 A.M. Registration for undergraduate students; continued graduate registration
- Friday, January 6  
8:00 A. M. Registration for undergraduate students  
6:30 P. M. (Monday night classes will meet)
- Saturday, January 7  
8:00 A. M. All classes meet on Monday schedule
- Saturday, January 21  
Graduate Record Examination
- Monday, February 13  
8:00 A. M. Beginning of second term of winter quarter
- Monday, Tuesday, Wednesday, Thursday, Friday, March 13, 14, 15, 16, 17  
Winter quarter examinations and records

**SPRING QUARTER — 1960-61**

- Monday, March 20  
    6:00 P. M. Evening College and Graduate registration  
    Night classes begin meeting
- Tuesday and Wednesday, March 21, 22  
    8:00 A. M. Registration for undergraduate students; continued graduate registration
- Thursday, March 23  
    8:00 A. M. Classes begin meeting on schedule
- Saturday, March 25  
    8:00 A. M. All classes will meet on Monday schedule
- Thursday, March 30  
    4:00 P. M. Easter holidays begin (Thursday and Friday night and Saturday morning classes meet)
- Friday, Saturday, Sunday, March 31, April 1, 2  
    Easter holidays
- Monday, April 3  
    8:00 A. M. Class work resumed
- Saturday, April 22  
    Graduate Record Examination
- Monday, May 1  
    8:00 A. M. Beginning of second term of spring quarter
- Friday, May 12  
    Final deadline for oral examinations for June graduation
- Monday, May 15  
    Last date for turning in theses for June graduation
- Saturday, Monday, Tuesday, Wednesday, May 27, 29, 30, 31  
    Spring quarter examinations and records  
    (Thursday night examination will be held on Friday, May 26, instead of Thursday, June 1)
- Sunday, June 4  
    11:00 A. M. Baccalaureate sermon  
    5:45 P. M. Graduation exercises

**SUMMER QUARTER — 1960-61**

- Thursday, June 8  
    6:00 P. M. Evening College and Graduate registration  
    Night classes begin meeting
- Friday and Saturday, June 9 and 10  
    8:00 A. M. Registration for summer quarter
- Monday, June 12  
    8:00 A. M. Classes begin meeting on schedule
- Saturday, July 8  
    Graduate Record Examination
- Friday, July 14  
    First Term examinations
- Monday, July 17  
    Registration for second term of summer quarter
- Friday, July 28  
    Final deadline for oral examinations for August graduation
- Monday, July 31  
    Last date for turning in theses for August graduation
- Tuesday, Wednesday, Thursday, August 15, 16, 17  
    Examinations and records
- Sunday, August 20  
    8:00 P. M. Graduation exercises

## ADMINISTRATIVE OFFICERS

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Carl L. McQuagge, Ed.D. Secretary  
William D. McCain, Ph.D. Ex-Officio Member

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John H. Allen, Ph.D., Dean of the School of Arts and Sciences  
Joseph A. Greene, Jr., Ph.D., Dean of the School of Commerce and Business Administration  
Frank E. Marsh, Jr., M.A., Chairman of Division of Fine Arts  
Bertha M. Fritzsche, Ph.D., Chairman of Division of Home Economics

**Members with terms expiring June 30, 1963**

Ralph C. Staiger, Ed.D., School of Education and Psychology  
Linwood E. Orange, Ph.D., School of Arts and Sciences  
Martin Stegenga, Ph.D., School of Commerce and Business Administration

**Members with terms expiring June 30, 1962**

Ray S. Musgrave, Ph.D., School of Education and Psychology  
John N. Burrus, Ph.D., School of Arts and Sciences  
Elizabeth Sorbet, Ph.D., School of Commerce and Business Administration

**Members with terms expiring June 30, 1961**

Leo R. Miller, Ed.D., School of Education and Psychology  
Robert A. Woodmansee, Ph.D., School of Arts and Sciences  
Rector R. Hardin, Ph.D., School of Commerce and Business Administration

## FELLOWSHIP RECIPIENTS

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William R. Atchley	Psychology
Virginia Avery	Music
Betty Ruth Bradshaw	Health and Physical Education
James S. Carpenter	Biology
Danny Reed Carter	Mathematics
Sylvia Ann Clayton	Business Education
Wiley Edward Clement	Counseling
Augusta Anne Coker	English
Roger Coleman	Speech
Susana Mabel Graciela Conde	Foreign Language
Ferrell Nathan Conn	Reading Clinic
Gail Backstrom Corr	English
Ruth Gray Couch	Business Education
Cynthia Holly Dennis	Home Economics
Almie Lester Ennis, Jr.	Economics
Bobby Neil Farris	History and Government
Sue Carol Frost	English
Virginia S. Glenn	Chemistry
Richard Donald Hammonds	Counseling
Patricia M. Hays	Speech
John Edgar Hill	Economics
Harold D. Howse	Biology
E. Jean Hudson	English
Thomas Gerald Jackson	Chemistry
Selvey Jean Johnson	Speech
Hilary Jones	Speech
Hazel G. Lansing	English
Elizabeth Lasseter	Psychology
Billy Ray Lovett	Speech
Edward Patrick McKee	History and Government
Roderick McMillan	Industrial Arts
Joseph Manuel	Biology
Sylvia Horton Miles	Chemistry
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Clay Robinson	Journalism
Bennie A. Rohr	Biology
Anthony Saccaro, Jr.	Health and Physical Education
Annrae Horton Sacksteder	Health and Physical Education
George Sekul	Health and Physical Education
Bobby Frank Shoulders	Economics
Etoyal L. Smith	Health and Physical Education
Robert Hayden Stranger	Health and Physical Education
Eugene Joseph Stassi	Speech
Bennett Strange	Speech
Maxie Eugene Sturgeon	History and Government
Shelby F. Thames	Chemistry
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Latney Conrad Welker, Jr.	Educational Administration
Joe Davis White	Biology
William Anderson Wilson	Band
Robert Yencho	Health and Physical Education

## THE GRADUATE SCHOOL

### GENERAL INFORMATION

The graduate program at Mississippi Southern College is based upon firm foundations and ideals of academic excellence, scholarship, and research. These ideals are carried forward by a well-trained and carefully selected graduate faculty utilizing effectively the physical facilities of the college.

In the field of education, Mississippi Southern College takes seriously its responsibility for preparing teachers, supervisors, and administrators for all branches of public school service. The Master of Education degree is offered in several fields of education: school administration, secondary education, elementary education, administrative personnel and counseling, communications, psychology of reading, health and physical education, home economics education and speech education. The Master of Science degree is offered in several teaching fields with a major in a subject-matter field and a minor in professional education subjects: the biological sciences, commerce, English, history or social studies, and mathematics.

In the subject-matter fields, the Master of Arts and Master of Science degrees are available. These degrees are offered with majors in the biological sciences, business administration, chemistry, the combined sciences, economics, English, home economics, industrial arts, mathematics, recreation, the physical sciences, psychology, social sciences, speech, and speech correction.

In addition, the Division of Fine Arts offers the Master of Music and Master of Music Education degrees.

The Doctor of Philosophy and Doctor of Education degrees are offered in the School of Education and Psychology with the following areas of emphasis: school administration, secondary education, elementary education, guidance and counseling, educational psychology, health and physical education, and psychology.

### PURPOSES AND OBJECTIVES

In recognition of Mississippi Southern College's responsibilities as a center of higher learning in Mississippi, a Graduate School was established in 1947 to provide an environment in which research and free inquiry would develop. Among the important goals toward which the Graduate School aims are the improvement of standards of living; the development of natural resources; the improvement of teaching in public schools in Mississippi; and the spread of cultural enlightenment in our area. The attainment of these objectives requires the services and abilities of scholars, specialists, and research workers in the various areas of intellectual endeavor. Within the limits of the physical resources, the equipment, and library facilities available, the Graduate School has expanded from time to time to meet the needs and requirements of the people of the State.

Every effort is made to keep class work at a high level with emphasis upon extended research and reading. Students are expected to do superior work and to master subjects rather than merely meeting minimum requirements and complying simply with formal standards indicated in programs leading toward various advanced degrees.

It is reasonable to assume that a graduate student has full responsibility for knowledge of rules and regulations of the Graduate School and of departmental requirements relevant to his individual degree program.

## ADMINISTRATIVE ORGANIZATION

The Dean of the Graduate School is the administrative officer responsible to the President of the College for the execution of the policies governing graduate work as determined by the Graduate Council. The Dean of the School of Education and Psychology, the Dean of the School of Arts and Sciences, the Dean of the School of Commerce and Business Administration, the Chairman of the Division of Fine Arts, and the Chairman of the Division of Home Economics are responsible to the Dean of the Graduate School for the execution of graduate school policies, advisement, and course work within their respective schools and divisions. The Graduate Council is the policy determining body of the Graduate School. The Dean of the Graduate School is chairman of the Graduate Council. Other members are the deans of the three academic schools, the chairmen of the two academic divisions, and three graduate faculty members from each of the three schools elected by the graduate faculty of their respective schools. The elected members of the Graduate Council serve staggered terms of three years each.

## FELLOWSHIPS

A number of graduate fellowships are available for the most promising among the graduate students enrolling at Mississippi Southern College. Usually a limited amount of work or teaching is expected of students holding fellowships. Applications for and information about graduate fellowships may be obtained by writing to the Dean of the Graduate School.

Several fellowships, sponsored jointly by business firms in Mississippi, Alabama, and Louisiana, are available to graduate students majoring in Economics. Application forms may be obtained by writing to the Dean of the Graduate School.



ADMINISTRATION BUILDING

### **GRADUATE FACULTY**

The graduate faculty is composed of all faculty members who hold the doctor's degree and other faculty members who do not have the terminal degree and who hold the rank of assistant professor or a higher rank if approved by the Graduate Council.

### **ADMISSION TO THE GRADUATE SCHOOL**

To be admitted to the Graduate School the applicant must (1) hold a baccalaureate degree from a college or university regarded as standard by the appropriate regional or general accrediting agency; (2) be in good standing in the institution of higher learning last attended; (3) show promise as judged by his previous record of ability to pursue satisfactorily advanced study and research (this implies a generally superior overall undergraduate record and an average grade of **B** or better in undergraduate courses in the field of proposed graduate study); and (4) have adequate preparation to enter graduate study in the field chosen for concentration (usually the equivalent of an undergraduate minor). In unusual cases, provisional admission may be granted applicants who do not meet all the formal requirements. Such students may remove this provisional status by satisfactorily completing prerequisites or additional assigned work, and after demonstrating in graduate courses taken in one or more quarters of residence in the Graduate School, that they are qualified to do advanced work.

Applications for admission to the Graduate School, accompanied by full credentials in the form of transcripts of academic records, must be filed in the office of the Director of Admissions at least two weeks in advance of the quarter in which admission is sought.

### **ADMISSION TO CANDIDACY FOR A MASTER'S DEGREE**

Admission to Graduate School does not imply that the student is admitted to candidacy for a degree.

A student may be admitted to candidacy for a graduate degree only after he has demonstrated his ability and fitness to do graduate work. Accumulation of graduate hours shall not be construed to grant admission to candidacy for degree.

This fitness and ability shall be demonstrated in each of the following ways:

1. Completion of a minimum of twelve hours of graduate work with a grade average of **B**. A minimum of twenty hours of graduate work must be completed after approval of this application.
2. Completion of a prescribed admission form obtainable from the office of the appropriate dean. This form shall set forth a proposed program of studies yet to be completed, and signed by the student's major professor. This report should be filed early in the quarter next succeeding his completion of twelve hours of graduate work. In all cases the student must complete at least twelve quarter hours after admission to candidacy.
3. Completion of the Mississippi Southern College English examination or its equivalent.
4. Completion of the Graduate Record Examination.
5. In addition, completion of other requirements in the school or division of his major as specified.

A faculty committee appointed by the department chairman with the approval of the dean of the school shall evaluate the records listed and decide on the admission of the student to candidacy. The committee shall consist of the major professor as chairman and faculty members representing major and/or minor fields. The dean of the respective school (or division chairman) shall be a member *ex officio*. Three categories shall be set up: (a) Students below a given standard will not be admitted to candidacy; (b) Students may be admitted with conditions; (c) Students may be granted full admission to candidacy for a Master's degree.

Students will be notified by the Dean of the Graduate School of the results of the evaluation.

### **GRADUATE RECORD EXAMINATION**

Completion of the Graduate Record Examination is required before a student may be admitted to candidacy for any graduate degree. During the 1960-61 academic year the Graduate Record Examination will be administered on the Mississippi Southern College campus on the following schedule:

<b>Testing Dates</b>	<b>Registration Deadlines</b>
November 19, 1960	November 4, 1960
January 21, 1961	January 6, 1961
April 22, 1961	April 7, 1961
July 8, 1961	June 23, 1961

Forms for registering for the Graduate Record Examination will be available in the office of the Dean of the Graduate School after July 1, 1960. The candidate is responsible for sending the application with fee to the Educational Testing Service, 20 Nassau Street, Princeton, New Jersey before the above mentioned registration deadlines.

### **RESIDENCE REQUIREMENTS FOR MASTER'S DEGREES**

The minimum residence requirement is one academic year or a minimum of three summer sessions of twelve weeks each. This statement presupposes the completion of at least 46 quarter hours work. Some students can complete the requirements for the Masters degree in one year. It is not unusual for graduate students to include a summer session of an additional year for the degree.

A minimum of one full quarter's work on the campus is expected of every graduate student before completion of requirements for the Masters degree.

**TIME LIMIT:** A student should complete his Masters degree within six consecutive years from the date of initial enrollment.

**REVALIDATION FEE:** Under very unusual and extenuating circumstances regular graduate students may revalidate an over-age course by securing permission of the dean of the school concerned and of the dean of the Graduate School for a special examination in the course. The applicant shall pay in advance of the examination a fee of five dollars (\$5.00) for each course revalidated, three dollars (\$3.00) to be paid to the person giving the examination and two dollars (\$2.00) to the college. This fee is not refundable once the student has presented himself to the instructor for the examination.

**MAXIMUM PERIOD ALLOWED:** Six years is regarded as the maximum age allowed for graduate credits for Masters degree candidates. In case more time than six years is spent on the program, special arrangements may be made with the dean of the Graduate School for the revalidation of the over-age credits if the original credit was given by Mississippi Southern College and if the school concerned approves the revalidation. Any student who fails to complete his program in the period allowed becomes subject to changes in degree requirements adopted up to a date six years prior to his graduation.

### **MASTER'S DEGREES OFFERED**

Mississippi Southern College offers the master's degrees mentioned below.

#### **1. MASTER OF ARTS**

A degree with a major and minor in an academic field. The minor must have the approval of the student's major professor and the departmental chairman. A thesis is required for this degree. The present language requirement is optional with each department until September 1, 1960. After this date the language requirement will cease to be optional.

#### **2. MASTER OF SCIENCE**

A degree with a major in a subject-matter field. The minor may be in any field, but must have the approval of the student's major professor and the department chairman. The requirement of a thesis for this degree is a departmental option. There is no language requirement for this degree.

#### **3. MASTER OF EDUCATION**

A degree with a major concentration in Education. In the case of a major in Secondary Education a minor in some subject-matter field will be required. The minor field must be approved by the student's major professor and departmental chairman. A thesis for this degree is optional with the student.

#### **4. MASTER OF MUSIC (See Fine Arts)**

#### **5. MASTER OF MUSIC EDUCATION (See Fine Arts)**

The majors offered with each of these degrees are outlined in other parts of this bulletin.

### **MASTER'S THESIS REQUIREMENTS**

Throughout this bulletin reference to Plan I in the curricula leading to a Master of Education degree or a Master of Science degree in the teaching of a subject means that a thesis is required, in addition to other requirements. Students who plan to do further study toward a higher degree should choose to write a thesis.

Plan II when mentioned in the various curricula leading to the Master of Education or Master of Science in the teaching of a subject means that a thesis is not required.

### **SUMMER SESSION**

Mississippi Southern College conducts a full summer school each year. A full schedule of graduate classes is offered in the summer quarter which is eleven weeks in length. Also, select classes are offered on a half quarter basis in either the first or second half of the summer quarter. In addition, workshops and conferences for teachers are scheduled each summer. In January of each year a bulletin is published showing the offerings in the summer session. It may be obtained by writing to the Director of Admissions, Mississippi Southern College, Station A, Hattiesburg, Mississippi.

**GENERAL REQUIREMENTS FOR MASTER'S DEGREES**

Candidates for all Master's degrees must comply with the following regulations:

1. The Department of Foreign Languages will schedule and advertise times when graduate students who are taking degrees requiring a foreign language may have a chance to take the foreign language proficiency examination.
2. If a Master's degree candidate has not had an English writing proficiency test on the undergraduate junior or senior level, he will be required to take an English writing proficiency test at Mississippi Southern College. This test is administered by the Department of English.
3. If a Master's degree candidate has done graduate work elsewhere and wishes to transfer it to Mississippi Southern College, he must supply the Director of Admissions with an official transcript of his work. This work in all cases is to have been done within the six-year period allowed for the degree program.
4. Four quarter hours is the maximum load for a quarter if the student is holding a full-time job or teaching position regardless of the student's resident state. The present state certification law limits the student who is teaching to four quarter hours per quarter which may count toward fulfilling the requirements for certification purposes. Sixteen quarter hours is the maximum load for a full-time graduate student. Twelve quarter hours is the maximum load for a graduate fellow if he teaches one undergraduate class or its equivalent. Eight quarter hours is the maximum load for a graduate fellow if he teaches two undergraduate classes or their equivalent.
5. The student who is a candidate for a Master's degree must file his application for degree with the Registrar by the end of the quarter previous to the one in which he expects to graduate. The graduation fee of \$11.80 must be paid at the time the application is submitted.
6. If a thesis is submitted as partial fulfillment of the requirements for a degree, the following regulations must be met:
  - a. The thesis must be presented to the dean of the Graduate School by the chairman of the student's advisory committee at least three weeks before the degree is to be conferred. The fee for binding the thesis is \$3.00 per copy, regardless of the number of copies the student wishes to be bound, and is payable at the time the thesis is accepted.
  - b. The student's advisory committee will pass on the final acceptance or rejection of the thesis.
  - c. Two copies of the thesis must be furnished the dean of the Graduate School. The first copy must be typewritten on 20-pound bond paper and the second copy on bond paper of at least 16-pound weight. The student will follow rather closely the directions of a good manual on thesis writing as specified by the department in which a thesis is written.
  - d. The thesis must show independent thinking, original investigation, mastery of subject-matter and ability to do research in the field of major interest.
7. No regular faculty member of Mississippi Southern College may take a master's degree in this institution.

8. An undergraduate major or its equivalent shall constitute the basis for a graduate major in any field. A student who desires to major in any teaching area other than school administration, secondary education, or elementary education must have a minimum of 12 quarter hours of appropriate undergraduate work in education and psychology. The student's attention is called to the undergraduate prerequisites, if any, listed under the course patterns for each major.
9. Work taken more than six years before the date at which the master's degree is expected may not be used to count for credit toward that degree.
10. Undergraduates in this institution who plan to undertake graduate study, and who have fulfilled all requirements for the bachelor's degree except one or two courses, may be allowed to enroll in certain graduate courses after fulfilling requirements for entrance into the Graduate School, but must complete the undergraduate degree to be able to continue in graduate school a second quarter.
11. A minimum of sixteen quarter hours of the student's work must be in courses numbered 500 and above.
12. An average of "B" or better is required and no grade below "B" can be applied toward a master's degree. A course on which a grade below "B" is earned may be retaken with permission of the major professor and dean. A student who earns more than 12 quarter hours in grades below "B" in graduate school may not be considered a candidate for degree. Retaking a course will not remove this disability.
13. In master's degree programs graduate credit from other accredited institutions is acceptable for as much as nine quarter hours provided it is in the chosen field or fields of the student's work. A student may not take extension courses to count toward his degree if he has transferred nine quarter hours from another institution. As many as eight quarter hours may be taken by extension provided the student has no transfer credit from another institution counted toward his degree.
14. Extension work given by an institution must be acceptable for graduate credit in that institution before Mississippi Southern College will allow graduate credit toward the Master's degree.
15. A committee of at least three, appointed by the dean of the school on the recommendation of the chairman of the department in which graduate work is being done, will serve as the student's advisory committee. The student's major professor will usually serve as chairman of his advisory committee.
16. In addition to the regular course examinations, final comprehensive examinations will be required of candidates for the Master's degree. The major department will determine whether an oral comprehensive, a written comprehensive, or both will be required. The written comprehensive, if required, will be prepared in the major department, with copies being supplied to the dean of the appropriate school and to the dean of the graduate school. The examination will be general, will cover the area of the major field, and will last approximately three hours. The examination will be scheduled by the major department with the approval of the dean of the appropriate school. This examination will be administered during the seventh week of the quarter in which the student expects to receive the degree. If an oral examination is required, an examining committee appointed by the dean of the school or division chairman on the recommendation of the department chairman will conduct the examination. This committee will represent both the major and minor fields. Written notice of the appointment of the examining committee will be sent to the dean of the graduate school. Also, the department chairman will send written

- notices of the time and place of the oral examination to the candidate and to each member of the committee. The oral examination may be given any time during the last quarter of attendance but no later than the eighth week of the quarter in which the student receives his degree. The results of both written and oral comprehensive examinations will be supplied to the dean of the school involved, to the office of the registrar, and to the office of the dean of the graduate school.
17. A photograph, 2 by 2½ inches, must be provided by the student at registration. No student is properly registered until the photograph is provided.

### **DOCTORAL PROGRAM IN EDUCATION AND PSYCHOLOGY**

Mississippi Southern College offers the Doctor of Education and Doctor of Philosophy degrees in the School of Education and Psychology.

Work leading to the doctorate in education is designed to give the candidate a thorough and comprehensive knowledge of his professional field and to develop in him the ability to do original and scholarly research at an advanced level. Although certain residence and course requirements must be met, it is necessary that candidates for doctoral degrees complete with high distinction a period of extended study and investigation during which they gain control of materials in a chosen field, master methods of advanced study, and illustrate these methods through independent and original research of enduring value.

Equally high standards are maintained for the doctor of philosophy and the doctor of education degrees.

The doctor of philosophy degree is granted to students who have mastered a definite field of knowledge providing familiarity with what has been done in that field of scholarship and its potentialities for further exploration. These students must demonstrate a capacity to do original and independent scholarly investigation and must have the ability to apply their field of specialization to the larger domains of knowledge and understanding.

The doctor of education degree is designed for those students who show outstanding promise of becoming superior administrators and teachers. These students frequently are able in their dissertations to apply known principles to practical situations, a project of more professional value to them than the preparation of a dissertation with the objective of establishing new principles or truths.

#### **Admission**

See requirements for admission on page 12.

#### **Limitations for Staff Members**

Members of the resident staff of Mississippi Southern College above the rank of assistant professor will not be granted a doctorate at this institution. They may, however, enroll for graduate courses. Instructors and assistant professors must have the approval of the Dean of the Graduate School and the Dean of the School of Education to work toward the doctorate degree at Mississippi Southern College.

#### **Program of Study**

The program of study will consist of the major field in education and one or more minors in related but distinct fields. The dissertation and course emphasis may be in one of the following areas: school administration, secondary education, elementary education, guidance and counseling, educational psychology, health and physical education, and psychology. The nature of the program of study will vary depending upon the field selected

and the candidate's objective. It is expected that doctoral candidates will earn a minimum of 112 quarter hours of credit exclusive of the dissertation. The work of the last two years in the candidate's major department must be in courses open only to graduate students.

Since the student is expected to master the field of his major, he will take as many courses as may be required by the department concerned. The minor will normally consist of 28 to 36 quarter hours of credit.

#### **Transfer Credit**

Acceptance of credit for graduate work done at other institutions must be approved by the department concerned, by the Dean of the School of Education and Psychology, and by the Dean of the Graduate School.

#### **Residence Requirement**

The minimum period of time required for a doctoral degree is nine quarters of full-time graduate study, or its equivalent, beyond the baccalaureate degree. At least three consecutive quarters in full-time residence at Mississippi Southern College during the last two years (six quarters) of graduate work is required. The work for the doctoral degree must be completed within a period of six years after the student is admitted to candidacy.

#### **Qualifying Examination**

The student, during his second year of graduate work and previous to admission to candidacy for the doctoral degree, must pass a qualifying examination. This examination will be used to appraise the student's ability to pursue the doctorate in the field and to counsel him in the development of his program of studies. Also, the examining committee will inquire into the feasibility of the dissertation project. This examination may be oral and/or written. The department is required to notify the Dean of the Graduate School of the results of the qualifying examination (pass, conditional, repeat, fail).

#### **Language Requirements**

A reading knowledge of two modern foreign languages is required of all candidates for the doctor of philosophy degree. The Graduate School approves French and German as the languages to be offered in fulfillment of this requirement, but substitutions may be made on the recommendation of the department concerned and with the approval of the dean of the Graduate School. A reading knowledge of one modern foreign language and/or competency in statistical techniques of research is required of all candidates for the doctor of education degree. This requirement must be fulfilled before admission to candidacy for degree.

#### **Admission to Candidacy for Degree**

Admission to the Graduate School does not imply admission to candidacy for a degree.

Application for admission to candidacy for the doctoral degree must be filed one academic year (three quarters) before the date on which the degree is expected to be conferred.

Before a student can be admitted to candidacy for the doctorate, he must meet the following qualifications: (1) complete the Graduate Record Examination; (2) provide evidence of at least two years of teaching experience for the doctor of philosophy degree or three years of teaching experience for the doctor of education degree; (3) successfully complete the qualifying examination; (4) successfully complete the language requirement; and (5) present an acceptable dissertation subject and program of study. Recommendation for admission to candidacy for degree will be made by the major department to the Dean of the Graduate School for approval.

**Advisory Committee**

The student's major professor, who is usually selected in accordance with the preference of the student, will guide the student through the early part of his graduate work. Upon admission to candidacy for degree, the Dean of the Graduate School, after consultation with the chairman of the major department, will appoint an Advisory Committee which will be in charge of the work of the student through the completion of requirements for the degree. The committee will be composed of the major professor, who will be chairman, representatives from the student's major and minor fields, and as many other members of the graduate faculty as deemed necessary. The committee will in no circumstances exceed seven members.

**Dissertation**

The topic for the dissertation must be finally approved by the student's Advisory Committee. The dissertation should be the fruit of thorough investigation of a definite problem and should demonstrate its value by the scholarly and workmanlike manner in which it is presented.

Not later than thirty days before date of the final oral examination, the candidate must submit to the office of the Dean of the Graduate School the original and two duplicate copies of the completed dissertation as approved by his Advisory Committee. The dissertation must comply with the rules of form for these prescribed by the Graduate Council. An abstract of not more than 600 words must be supplied in three copies.

The fees for binding and microfilming the dissertation must be paid to the Business Office and receipts for the same must be presented to the office of the Dean of the Graduate School.

If the candidate wishes to copyright his dissertation, he may inquire about details in the office of the Dean of the Graduate School.

**Written Comprehensive Examination**

At the conclusion of the candidate's course work and prior to his final oral examination, the candidate must pass a written comprehensive examination in his major field. This examination will be administered by the major department. Results of the examination will be reported to the Dean of the Graduate School by the Chairman of the Advisory Committee.

**Final Oral Examination**

After the dissertation has been accepted, but at least two weeks before the candidate is scheduled to receive his degree, a final oral examination on the dissertation and related fields will be conducted by the student's Advisory Committee and other faculty members designated by the Dean of the Graduate School. The examination will be open to any member of the graduate faculty. The Chairman of the Advisory Committee will be responsible for scheduling the final oral examination and for reporting the results to the Dean of the Graduate School.

## **THE COURSES OF STUDY**

Courses open to graduate students are of two classes: (1) those numbered 401-499, which are open to advanced undergraduates as well as graduate students; and (2) those numbered above 500, which are exclusively for graduate students.

Students registered for any course numbered from 400 to 499 inclusive are required to have graduate standing in the field concerned before the extra work required for graduate credit may properly be assigned or graduate credit granted. The assignment of this extra work is left to the discre-

tion of the instructor concerned but is to approximate a 50 per cent increase in laboratory or library work required of undergraduate students in the same course.

All courses have certain prerequisites for admission. Since prerequisite preparation may be obtained at other institutions through courses differing from those offered at Mississippi Southern College, it is difficult to describe clearly the nature of prerequisites in every case. A student who wishes to enter a particular course, however, will satisfy the department concerned that he has had preparation adequate for admission to the course.

## EXPENSES

A primary objective of the college is to hold to a minimum the expense of its students. Changes in fees are made whenever possible, to benefit the students. Increases are made only when required for support of the institution or improvement of the activity program of the students.

### Business Regulations

Announcements concerning expenses and furnishings are subject to change without notice and may not be regarded as binding obligations of the college. In time of changing conditions this stipulation is necessary. There is a possibility of an increase of \$7.00 per quarter in fees for 1960-1961.

Expenses are in the form of incidental fees, room, board and special fees.

**INCIDENTAL FEE.** This fee is used for general support of the college and consists of charges for matriculation, library, athletic activities, health service, student union, college newspaper, laboratory, concert series, maintenance, etc.

**ROOM AND BOARD.** These fees are assessed for all students living in college-controlled housing. The board fee is assessed for all students living in fraternity houses, and in certain cases fraternity room fees are assessed by the college. All students rooming in dormitories or fraternity houses are required to take their meals in the college cafeteria.

A student accepting a room in the dormitory will be financially obligated to pay for one quarter of the dormitory fee. A refund of the dormitory fee will be made only because of official withdrawal from the college.

No reduction in room and board expenses is made for absence of less than two continuous weeks, and then only when the absence is necessary and is reported to the business office in advance. No reduction of room or board is made on account of late entrance.

**OTHER FEE INFORMATION.** Fees of all students are due and payable at time of registration; however, fees of full-time students (12 hours or more) may be paid one-half upon entrance and the balance by the beginning of the second half of the quarter.

Clinical and hospital services covered by the health service charge included in the incidental fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical and physical resources of the clinic. The college does not assume responsibility in cases of extended illnesses or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice.

A fee of \$1.00 is assessed each quarter for operation of the Student Union. This fee is added to the incidental fee assessment of part-time students.

Courses requiring special fees and music fees are shown in the Special Fee listing (Table II).

**REFUND POLICY.** A student who officially withdraws after enrollment may obtain a refund in accordance with the following:

a. A full refund of incidental and special fees paid will be made to a student who withdraws within three days after the date of registration excluding Sunday.

b. A full-time student withdrawing for any reason prior to midterm of any quarter will be refunded fifty (50) percent of the incidental and and special fees.

c. A full-time student withdrawing after midterm of any quarter will not be entitled to a refund of fees.

d. Special and part-time students will not be entitled to a refund of fees after three days from the date of registration.

e. Evening College students will not be entitled to a refund of fees unless withdrawal is made prior to the second meeting of the class.

f. No adjustment of incidental fee will be made when courses are dropped after three days from date of registration.

g. Room and board fees are refunded on the basis of weeks remaining in the quarter.

**TABLE I**

**EXPENSES EACH QUARTER**

**Full Time<sup>1</sup>**

**Fixed Fees**

Incidental Fee	\$ 67.00
Room rent <sup>3</sup>	46.66
Board	69.00
	<hr/>
	\$182.66

**Other Fees When Applicable**

Non-resident fee	\$ 66.66
The Southerner (fall quarter only)	6.00

**Part Time**

**Fixed Fees**

Incidental fee each quarter hour <sup>2</sup>	\$ 6.00
Room rent for half quarter <sup>3</sup>	23.33
Board for half quarter	34.50

**Other Fees When Applicable**

Non-resident fee each quarter hour	\$ 5.56
Out-of-state Tuition—P. L. 16 or 894 veterans as follows:	
Full load (over 12 hours)	66.66
¾ load (9-11 hours)	49.99
½ load (6-8 hours)	33.33
¼ load (1-5 hours)	16.66

<sup>1</sup>Twelve (12) to sixteen (16) quarter hours constitutes a full load. (P. L. 550 Veterans on the graduate level are required by the Veterans Administration to carry a minimum of twelve quarter hours for the entire quarter to receive full subsistence.)

<sup>2</sup>A fee of \$1.00 a quarter is added for operation of the College Union when this fee is assessed.

<sup>3</sup>Room rents vary from \$36.00 to \$46.66 a quarter.

### TABLE II

#### SPECIAL FEES AND EXPENSES

##### Music

###### Piano, organ, voice:

1 private lesson per week	\$16.00 per quarter
2 private lessons per week	32.00 per quarter

###### Strings, woodwinds, brasses:

1 private lesson per week	15.00 per quarter
2 private lessons per week	30.00 per quarter

###### Theoretical subjects:

1 private lesson per week	15.00 per quarter
2 private lessons per week	30.00 per quarter
Orchestral or band instrument rental	6.00 per quarter
Organ rental, 1 hour daily	12.00 per quarter
Organ rental, each additional hour daily	3.00 per quarter
Piano rental, 1 hour daily	3.00 per quarter
Piano rental, each additional hour daily	1.00 per quarter

##### \* Summer Conferences and Workshops:

Administration Workshop
Aviation Education Workshop
Library Science Workshop
Pre-School Teachers Workshop
School Lunch Managers Workshop
Reading Conference

\* The fees for the above conferences and workshops will be listed in the brochures published for each conference. The conference and workshop fees do not include the \$6.00 per quarter hour assessment for incidental fee where college credit is desired, nor do they include the conference charge for room and board.

##### Examinations and Graduation:

Revalidation Examination	5.00 when applicable
Special Examination	10.00 when applicable
Graduation fee	11.80 with application for degree
Certificate	2.50 when applicable
Thesis binding, not to exceed *	12.00 when applicable
Thesis preparation, not to exceed *	75.00 when applicable

\*(Actual costs of charts, typing, materials, binding, etc., Payable by G. I. Bill of Rights for public Law 894 and P. L. 16 veterans on presentation of bills by veterans to college)

## Registration and Records:

Change of Schedule .....	5.00	when applicable
Audit Fee (Non-Credit) .....	3.00	per quarter hour
Late Registration .....	5.00	full load
Memorandum of credits .....	.50	when applicable
	2.00	partial load
Transcript of credits .....	1.00	when applicable
Science breakage .....	5.00	per card

Card is purchased in business office before attending first laboratory meeting. Any balance on card upon completion of course is refundable.

**VETERANS**

Incidental fees, laboratory fees, and cost of books and supplies are covered by G. I. Bill of Rights for Public Law 894 and Public Law 16 veterans.

Korean veterans, under Public Law 550, receive their allowance direct from the Veterans Administration and are therefore subject to pay all fees to the college as non-veteran students.

**SPECIAL REFUND POLICY FOR VETERANS ONLY****Non-Resident (Out-of-State) Tuition**

Length of regular quarter .....	12 weeks
Length of summer quarter .....	10-11 weeks

Period of Veteran's Actual Attendance in Institution from Date of Enrollment	Percent of Non-Resident (Out-of-State) Tuition Fees to be charged
Three days or less .....	0%
One week or less .....	20
Between one and two weeks .....	40
Between two and three weeks .....	60
Between three and four weeks .....	80
Between four and five weeks .....	100
Over five weeks .....	100

**Regular Quarter      Summer Quarter**

Three days or less .....	0%	0%
One week or less .....	20	25
Between one and two weeks .....	40	50
Between two and three weeks .....	60	75
Between three and four weeks .....	80	100
Between four and five weeks .....	100	100
Over five weeks .....	100	100

**All Charges Other than Non-Resident (Out-of-State) Tuition**

Length of regular quarter .....	12 weeks
Length of summer quarter .....	10-11 weeks

Period of Veteran's Actual Attendance in Institution from Date of Enrollment	Percent of Fees to Be Charged Other Than Non-Resident (Out-of-State) Tuition or Fees
Three days or less .....	0%
Four days to one week .....	20
Between one and two weeks .....	40
Between two and three weeks .....	50
Between three and four weeks .....	50
Between four and five weeks .....	50
Between five and six weeks .....	50
Over six weeks .....	100

**Regular Quarter      Summer Quarter**

Three days or less .....	0%	0%
Four days to one week .....	20	25
Between one and two weeks .....	40	50
Between two and three weeks .....	50	50
Between three and four weeks .....	50	50
Between four and five weeks .....	50	50
Between five and six weeks .....	50	100
Over six weeks .....	100	100

## SCHOOL OF EDUCATION AND PSYCHOLOGY

Ralph S. Owings, Dean

One of the major objectives of this school is to prepare persons on the graduate level for administrative, supervisory, and teaching positions in elementary and secondary schools and institutions of higher learning. Another objective is to prepare persons in the area of personnel and guidance work. A third is to give a foundation for advanced graduate work in psychology to those students who intend to accept positions as psychologists in schools, industry, state institutions, welfare agencies and clinics, and who expect to continue their training to the doctoral level. Again, graduate degrees are offered in non-teaching fields in certain departments, such as guidance and recreation. The school also serves other schools and divisions of the college having need for courses which are usually offered by professional schools of education.

## **DEGREES OFFERED**

The School of Education and Psychology offers the Master of Education, the Master of Science, the Master of Arts, Doctor of Education, and Doctor of Philosophy degrees. The requirements for each degree are set forth elsewhere in this bulletin.

## **GENERAL REQUIREMENTS FOR ADMISSION**

Admission to graduate work in the School of Education and Psychology in general is the same as for admission to graduate study. Procedures are set forth elsewhere in this bulletin. Application for admission is made to the Director of Admissions.

## **SPECIAL REQUIREMENTS FOR ADMISSION**

Students otherwise qualified for admission to graduate study but lacking certain courses for teacher certification or other special qualifications may be permitted by the dean to remove such deficiencies along with their graduate study. In every instance, all deficiencies must be removed before the graduate degree will be awarded.

**Suggested Program For  
MASTER OF EDUCATION**

The recommended curriculum prescriptions which follow apply to the master's degree. The requirements for the doctoral degrees are outlined elsewhere in this bulletin.

**DEPARTMENT OF EDUCATIONAL ADMINISTRATION  
AND SUPERVISION**

Easterling      Owings      McQuagge      Morgan

## CURRICULUM PRESCRIPTIONS\*

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
EDUCATION 504—Foundations in American Education. Four hours.  
EDUCATION 507—Basic Course in Curriculum Development. Four hours.  
EDUCATION 510—Advanced Educational Psychology. Four hours.  
EDUCATION 514B—Thesis. Six hours (Credit deferred until thesis completed)\*\*

EDUCATION 516—Secondary School Administration. Four hours.  
 EDUCATION 518—The Elementary School Principal. Four hours.  
 EDUCATION 520—Local School Administration. Four hours.  
 EDUCATION 526—Supervision of Instruction. Four hours.  
 EDUCATION 568—School Finance, Business Affairs, and School Property. Four hours.

**TOTAL**—36 or 42 hours.

**FREE ELECTIVES**—10 or 4 hours.

Specific courses highly recommended:

EDUCATION 513—Organization and Administration of the Junior High School. Four hours.  
 EDUCATION 522—Organization and Administration of Pupil Guidance. Two hours. Prerequisite: Education 506  
 PHYSICAL EDUCATION 540—Problems of Administration in Health, Physical Education and Recreation. Four hours.

\*Courses listed under Curriculum Prescriptions are required courses.

\*\*Required only of students writing thesis.

#### **DEPARTMENT OF SECONDARY EDUCATION**

Norvin L. Landskov, Chairman

Bigelow  
Felder

Morgan  
Stegenga

#### **CURRICULUM PRESCRIPTIONS**

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
 EDUCATION 504—Foundations in American Education. Four hours.  
 EDUCATION 506—Fundamentals of Guidance. Four hours.  
 EDUCATION 508—High School Curriculum. Four hours.  
 EDUCATION 510—Advanced Educational Psychology. Four hours.  
 EDUCATION 514B—Thesis. Six hours. (Credit deferred until thesis completed.)\*  
 EDUCATION 520—Local School Administration. Four hours.  
 A MINIMUM of 16 quarter hours in chosen subject-matter field.

**TOTAL**—40 or 46 hours.

**FREE ELECTIVES**—6 hours.

#### **DEPARTMENT OF ELEMENTARY EDUCATION**

Leo R. Miller, Chairman

Black  
Dent  
Easterling

Knight  
Staiger  
Wall

#### **CURRICULUM PRESCRIPTIONS**

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
 EDUCATION 504—Foundations in American Education. Four hours.  
 EDUCATION 514B—Thesis. Six hours. (Credit deferred until thesis completed.)\*  
 EDUCATION 520—Local School Administration. Four hours.  
 EDUCATION 528—Curriculum Problems in the Elementary School. Four hours.  
 EDUCATION 530—Research in Reading. Four hours.  
 EDUCATION 532—Measuring Results in Elementary Education. Four hours.  
 EDUCATION 574—Advanced Child Psychology. Four hours.

**TOTAL**—28 or 34 hours.

**FREE ELECTIVES**—18 or 12 hours.

Specific courses highly recommended:

- EDUCATION 518—The Elementary School Principal. Four hours.  
EDUCATION 526—Supervision of Instruction. Four hours.  
EDUCATION 536—Practicum in Reading. Four hours.  
EDUCATION 576—Pre-School Education for School Entrance. Four hours.  
EDUCATION 578—Art in Child Development. Four hours.

\*Required only of students writing thesis.

NOTE: Secondary majors or liberal arts majors who desire to take a major in elementary education must have the following courses: Art 25 and 26, eight hours; Music 95 and 96, eight hours; Education 66, four hours; Education 103, four hours; Education 107, four hours; Education 108, four hours. If the student has sufficient background Education 103, 107, and 108 may be taken as graduate work.

#### **ELEMENTARY PRINCIPALS AND SUPERVISORS MAJOR**

##### **CURRICULUM PRESCRIPTIONS**

- EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
EDUCATION 504—Foundations in American Education. Four hours.  
EDUCATION 514B—Thesis: Six hours. (Credit deferred until thesis completed.)\*  
EDUCATION 518—The Elementary School Principal. Four hours.  
EDUCATION 526—Supervision of Instruction. Four hours.  
EDUCATION 528—Curriculum Problems in the Elementary School. Four hours.  
EDUCATION 530—Research in Reading. Four hours.  
EDUCATION 532—Measuring Results in Elementary Education. Four hours  
PHYSICAL EDUCATION 540—Problems of Administration in Health, Physical Education and Recreation. Four hours.  
EDUCATION 574—Advanced Child Psychology. Four hours.

TOTAL—42 or 36 hours.

FREE ELECTIVES—4 or 10 hours.

Specific courses highly recommended:

- EDUCATION 520—Local School Administration. Four hours.  
EDUCATION 536—Practicum in Reading. Four hours.  
EDUCATION 576—Pre-School Education for School Entrance. Four hours.  
EDUCATION 578—Art in Child Development. Four hours.

\*Required only of students writing thesis.

#### **DEPARTMENT OF ADMINISTRATIVE PERSONNEL AND COUNSELING**

Herman Boroughs, Chairman

Musgrave

Weatherford

The Master's degree in Administrative Personnel and Counseling is designed to prepare candidates in three areas of personnel and guidance work. The student will pursue one of the three curricula: (1) public school level, (2) college and junior college level, and (3) community agencies level.

The student will receive individual assistance from the chairman of his advisory committee concerning his work and choice of courses. The Field Work, Supervised Practice Counseling and Special Problems course offer flexibility in preparation as well as actual experiences appropriate to the individual student's needs.

## 1. SCHOOL COUNSELING MAJOR

The program is designed to provide learning experiences in the area of school guidance work, so as to qualify the student in the administration of guidance services in the public schools of the nation. The course pattern will meet the professional academic requirements for Class AA certification for secondary school counselors in this state.

### CURRICULUM PRESCRIPTIONS

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
EDUCATION 504—Foundations in American Education. Four hours.

\*EDUCATION 506—Fundamentals of Guidance. Four hours.

EDUCATION 522—Organization and Administration of Pupil Guidance. Two hours.

EDUCATION 571—Occupational Services in Guidance. Two hours.

EDUCATION 590—Methods and Techniques of Counseling. Four hours.

EDUCATION 592—Use and Interpretation of Tests in Guidance. Four hours.

EDUCATION 593—Analysis of the Individual. Four hours.

EDUCATION 591a,b,c—Supervised Practice Counseling. Two, four, or six hours.

TOTAL—30 or 34 hours.

Specific courses highly recommended—12 to 16 hours.

(With the approval of the Counselor Trainer)

EDUCATION 596a,b,c—Field Work in Guidance. Two, four, or six hours.

EDUCATION 587—Individual Psychological Testing: Stanford-Binet. Four hours.

EDUCATION 588—Individual Psychological Testing: Wechsler-Bellevue. Four hours.

EDUCATION 510—Advanced Educational Psychology. Four hours.

EDUCATION 594—Advanced Guidance Research Seminar. Four hours.

EDUCATION 535a,b,c—Special Problems. One, two, or three hours.

EDUCATION 507—Basic Course in Curriculum Development. Four hours.

PSYCHOLOGY 491—Abnormal Psychology. Four hours.

EDUCATION 496—Psychology and Education of the Exceptional Child. Four hours.

EDUCATION 584—Group Guidance. Two hours.

EDUCATION 575—Advanced Adolescent Psychology. Four hours.

PSYCHOLOGY 480—Psychology of Personality. Four hours.

(Other electives may be substituted with the approval of the advisor.)

\*Students who have Education 136 or equivalent course will elect another course in lieu of Education 506.

TOTAL—46 hours.

## 2. COLLEGE COUNSELING MAJOR

The program is designed to provide preparation in the broad field of student personnel services to meet the needs of General Counselors, Deans of Men and Women, Religious Counselors, Social Directors, Directors of Freshman Orientation, Directors of Housing, Directors of Student Organizations, Directors of Placement, and Registrars.

### CURRICULUM PRESCRIPTIONS

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
EDUCATION 504—Foundations in American Education. Four hours.

\*EDUCATION 506—Fundamentals of Guidance. Four hours.

EDUCATION 510—Advanced Educational Psychology. Four hours.  
EDUCATION 586—Seminar in Student Personnel Problems. Four hours.  
EDUCATION 591abc—Supervised Practice Counseling  
and/or  
EDUCATION 596a,b,c—Field Work in Guidance. Two, four or six hours.  
EDUCATION 592—Use and Interpretation of Tests in Guidance. Four hours.  
EDUCATION 585—Counseling College Students. Four hours.

TOTAL—30 or 34 hours.

ELECTIVES—12 or 16 hours. (Related to professional needs.)

Electives highly recommended

EDUCATION 584—Group Guidance. Two hours.  
EDUCATION 535a,b,c—Special Problems. One to three hours.  
PSYCHOLOGY 439—Social Psychology. Four hours.  
EDUCATION 571—Occupational Services in Guidance. Two hours.  
EDUCATION 522—Organization and Administration of Pupil Guidance. Two hours.  
PSYCHOLOGY 480—Psychology of Personality. Four hours.  
PSYCHOLOGY 491—Abnormal Psychology. Four hours.  
EDUCATION 575—Advanced Adolescent Psychology. Four hours.  
HOME ECONOMICS 650—Early Marriage Adjustment. Four hours.

\*Students who have Education 136 or equivalent course will elect another course in lieu of Education 506.

### 3. COMMUNITY COUNSELING MAJOR

This program is designed to prepare individuals to serve in community agencies in counseling and personnel functions. The course pattern is broad and flexible. Those who plan to work in the area of community health, recreation, family agencies, social welfare, religious agencies, and industry will find the program adaptable to their needs.

#### CURRICULUM PRESCRIPTIONS

SOCIOLOGY 482—Methods of Social Research. Four hours.  
EDUCATION 504—Foundations in American Education. Four hours.  
\*EDUCATION 506—Fundamentals of Guidance. Four hours.  
EDUCATION 592—Use and Interpretation of Tests in Guidance. Four hours.  
EDUCATION 591abc—Supervisory Practice Counseling  
and/or  
EDUCATION 596a,b,c—Field Work in Guidance. Two, four or six hours.  
EDUCATION 584—Group Guidance. Two hours.  
PSYCHOLOGY 439—Social Psychology. Four hours.

\*Students who have Education 136 or equivalent course will elect another course in lieu of Education 506.

TOTAL—24 or 28 hours.

ELECTIVES—18 or 22 hours. (Related to professional needs.)

The student will elect, with the approval of the chairman of his advisory committee, from a large number of appropriate graduate courses those which will meet his professional needs. Those who plan to counsel in connection with health and recreation programs will elect heavily from physical education and recreation. Family Counselors will take more courses from sociology and home economics. Those who plan to work with industry will choose courses in business administration and psychology. Candidates who plan to pursue further graduate study in counseling, or who plan to carry primary counseling responsibility, will elect heavily from psychology.

**PSYCHOLOGY OF READING MAJOR**

Ralph C. Staiger, Director of Reading Clinic  
Dent Eure

The following sequence of courses is designed to give the student a full background in many aspects of reading. Its purpose is to prepare remedial reading specialists, supervisors of reading programs in schools and colleges, reading clinicians, and to foster reading research and the preparation of special reading materials.

**PREREQUISITE COURSES:** If not completed at the undergraduate level, must be made up as "400" courses.

EDUCATION 108—Diagnostic and Remedial Reading. Four hours.

EDUCATION 110 Clinical Practices. Four hours.

PSYCHOLOGY 177—Individual Psychological Testing: Wechsler-Bellevue.  
Four hours.

**CURRICULUM PRESCRIPTIONS**

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.

EDUCATION 504—Foundations in American Education. Four hours.

EDUCATION 507—Basic Course in Curriculum Development. Four hours.

PSYCHOLOGY 510—Advanced Educational Psychology. Four hours.

EDUCATION 514B—Thesis. Six hours. (Credit deferred until thesis completed.)\*

EDUCATION 529—Reading in the Elementary Schools. Four hours.

EDUCATION 530a,b—Research in Reading. Eight hours.

EDUCATION 536—Practicum in Reading. Four hours.

EDUCATION 554—Reading in the Secondary School. Four hours.

TOTAL—42 or 36 hours.

FREE ELECTIVES—4 or 10 hours.

\*Required only of students writing thesis. (Plan I)

**SECOND YEAR OR ADVANCED GRADUATE WORK**

A graduate student who meets the requirements of one of the following areas may be awarded a second year graduate school certificate in education: School Administration, Secondary Education, and Elementary Education.

**BASIC COURSE FOR MAJORS IN SCHOOL ADMINISTRATION AND SUPERVISION**

EDUCATION 700—Advanced School Administration and Supervision. Four hours.

EDUCATION 702—Research Problem. Thesis. Four hours.

EDUCATION 704—School-Community Relations. Four hours.

EDUCATION 706—Administration of School Buildings and Grounds. Four hours.

EDUCATION 708—Administration of School Personnel. Four hours.

EDUCATION 710—School Law. Four hours.

TOTAL—24 hours.

ELECTIVES—22 hours.

**Specific courses highly recommended for electives:**

EDUCATION 714—State and Local Government. Four hours.

EDUCATION 716—History of Public Education in the United States. Four hours.

EDUCATION 718—Comparative Philosophies of Education. Four hours.

NOTE: Where advanced graduate students in School Administration have not taken the following courses during their first year of graduate work it is recommended that they take the following courses to strengthen their over-all knowledge of the field of general school administration.

**EDUCATION 517—Organization and Administration of an Audio-Visual Program.** Four hours.

**EDUCATION 522—Organization and Administration of Pupil Guidance.** Two hours.

**PHYSICAL EDUCATION 540—Problems of Administration in Health and Physical Education.** Four hours.

### **BASIC COURSE FOR MAJORS IN SECONDARY EDUCATION**

**EDUCATION 702—Research Problem. Thesis.** Four hours.

**EDUCATION 704—School-Community Relations.** Four hours.

**EDUCATION 710—School Law.** Four hours.

**EDUCATION 716—History of Public Education in the United States, including History of Education in Mississippi.** Four hours.

**EDUCATION 718—Comparative Philosophies of Education.** Four hours.

**EDUCATION 593—Analysis of the Individual.** Four hours.

TOTAL—24 hours.

**ELECTIVES:** The student may elect twenty-two hours in a subject matter field if the minor is one of the approved fields as outlined in this catalog.

### **BASIC COURSE FOR MAJORS IN ELEMENTARY EDUCATION**

**EDUCATION 702—Research Problem. Thesis.** Four hours.

**EDUCATION 704—School-Community Relations.** Four hours.

**EDUCATION 710—School Law.** Four hours.

**EDUCATION 716—History of Public Education in the United States, including History of Education in Mississippi.** Four hours.

TOTAL—16 hours.

**ELECTIVES:** The student may elect thirty hours in a subject matter field or may take other courses in professional work, depending on the needs of the student.

Advanced graduate students may elect any 500 or above numbered courses listed in the First Year Program, provided the student has not previously completed these courses.

## **COURSE DESCRIPTIONS**

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's, or 700's and may NOT be taken by undergraduates.

## **SCHOOL OF EDUCATION AND PSYCHOLOGY**

### **Education**

**501—Research: Its Introduction and Methodology.** Four hours.

Methods of scientific inquiry, selection of a research topic, and functional statistics.

**504—Foundations in American Education.** Four hours.

A survey of the philosophies, psychologies, and history of American education intended to give the student a fundamental understanding of more specialized courses in these fields. Required of all graduate students.

**506—Fundamentals of Guidance.** Four hours.

A brief survey of vocational and educational guidance practices. Intended to give teachers and administrators a fundamental understanding of the role of guidance in public school programs.

**507—Basic Course in Curriculum Development.** Four hours.

A fundamental course in curriculum and teaching concerned with principles, problems, and issues of curriculum development, the nature and scope of educational experience and opportunities essential to a well-developed curriculum program.

**508—High School Curriculum.** Four hours.

Various designs of the curriculum as they apply to general and specialized education, and a critical evaluation of the content of subject matter areas in terms of the needs of youth.

**510—Advanced Educational Psychology.** Four hours.

See course description under "Psychology."

**513—Organization and Administration of the Junior High School.** Four hours.

The philosophy, functions and curriculum and their implementation in the organization and administration of the junior high school program.

**514B—Thesis.** Six hours. (Credit deferred until thesis completed.)

**516—Secondary School Administration.** Four hours.

The practical problems encountered by high school principals: scheduling, calendar, attendance, discipline, office management, records and reports, activities, selection and supervision of staff; the principal's professional growth and his relationship to the school, teachers, and patrons.

**517—Organization and Administration of an Audio-Visual Program.** Four hours.

A study of functions, organization, and administration of the audio-visual program, with emphasis on staff and housing requirements and determining materials and equipment needs. Practical problems of developing the program and appraising its adequacy and effectiveness.

**518—The Elementary School Principal.** Four hours.

A study emphasizing the administrative problems of the principal. Considers practices in administration, supervision, school plant, supplies and equipment, attendance, curriculum, personnel, and parent-teacher cooperation. Stresses the professional leadership of the principal.

**519—Utilization and Selection of Audio-Visual Materials.** Four hours.

General principles, problems, and practices involved in selecting and utilizing audio-visual materials for instructional purposes. Emphasis on the advantages, limitations, and practical uses of each major type of material.

**520—Local School Administration.** Four hours.

Credit will not be allowed for both Education 502 and Education 520.

A basic course designed for the local school superintendent (city, county, town, or consolidated district), dealing with the various internal and external problems of the school superintendent, particularly with the legal, financial and school plant problems of the local school system.

**522—Organization and Administration of Pupil Guidance.** Two hours.

Prerequisite: Education 506.

A course stressing administrative relationships in instituting and maintaining guidance programs, with study of principles and techniques for the formation and evaluation of a complete guidance program, including cumulative records, counseling, placement, and follow-up.

**526—Supervision of Instruction.** Four hours.

A practical course in supervision from the standpoint of the elementary or secondary principal, supervisor, or superintendent. Deals with principles, nature, and procedures in supervision. Emphasizes growth of teachers in service.

**528—Curriculum Problems in the Elementary School.** Four hours.

A course involving analysis of elements of the curriculum. Emphasis is placed upon the implications of social life and the nature of the individual for curriculum development. Evaluates various curriculum procedures in terms of these implications.

**529—Reading in Elementary Schools.** Four hours.

The focus of this course will be on the teaching of reading in the language arts. Specific attention will be given to the application of research and theory in the field in classroom practice. A critical analysis of methods and materials will be an important part of the course.

**530a,b,c—Research in Reading.** Four hours each.

An advanced course for students interested in individual and group research in methods, materials, and procedures of instruction in reading.

**532—Measuring Results in Elementary Education.** Four hours.

A course designed to equip the teacher for effective selection and construction of tests for measuring specific achievement of teaching objectives and for statistical interpretation of data. Stresses use of teacher-made tests.

**534—The Reading Conference.** One and one-half hours.

This is an intensive program for five days during the summer quarter. Students attend lectures, participate in group discussions, and observe demonstration lessons.

**535a,b,c—Special Problems.** One to three hours.

A problem study to be approved by the appropriate department head, to develop knowledge and facility in a field of interest for the student which requires preparation of a scholarly paper under the supervision of a graduate professor.

**536—Practicum in Reading.** Four hours.

A laboratory course consisting of analysis of extreme reading disabilities, case typing, and recommended remedial procedures. Experience in techniques, procedures, and the preparation of case reports.

**551—Advanced Methods in Business Teaching.** Four hours.

Methods, procedures, and techniques in teaching business subjects, with special emphasis on shorthand and typewriting; includes a survey of principles, objectives, testing, curriculum construction, and guidance in business education.

**552—Seminar in Business Education.** Four hours.

An intensive study of specific problems in business education; includes a survey of literature, and emphasis on administration and supervision of high school and junior college business education programs.

**554—Reading in the Secondary School.** Four hours.

A course designed to acquaint the secondary teacher with a developmental high school reading program with emphasis on the basic skills in reading. Corrective practices and materials will also be discussed.

**555a,b—Field Problems in Production.** Four to eight hours.

Opportunity to study local school problems of curriculum revision, course of study construction, evaluation of methods, building projects, community surveys, testing programs, and record systems under careful supervision of authorities in the field of educational research.

**568—Public School Finance and Business Management.** Four hours.

Principles of taxation; local, state, and federal financing of public education; equalization of educational opportunity; budget making; school business administration; and management of school property and school supplies.

**571—Occupational Information Services in Guidance.** Two hours.

Brief survey of present practices in vocational guidance, designed to provide the teacher and administrator with the source and content of occupational information, and with successful methods of disseminating occupational and training information.

**574—Advanced Child Psychology.** Four hours.

See course description under "Psychology."

**575—Advanced Adolescent Psychology.** Four hours.

See course description under "Psychology."

**576—Pre-School Education for School Entrance.** Four hours.

A study emphasizing problems connected with the development of the whole child. Case studies analyzed, materials and equipment for work and play investigated. Activities planned to develop readiness for school.

**578—Art in Child Development.** Four hours.

A consideration of art as an integral part of child growth and as intimately related to the social studies curriculum of the elementary school. Opportunity provided for creative aspects of learning and for evaluation of experiences.

**584—Group Guidance.** Two hours.

Values of group activities, application of group techniques to student needs. Attention is given to democratic leadership methods.

**585—Counseling College Students.** Four hours.

For advanced students planning to become college personnel workers, teachers, or administrators. Covers interviewing, personnel records, tests, and case histories.

**586—Seminar in Student Personnel Problems.** Four hours.

Discussion of the problems of student deans, residence hall directors, counselors, and college religious directors. Special attention is given to the orientation of new students, dormitories, organizations, and other phases of student personnel programs.

**587—Individual Psychological Testing: Stanford-Binet.** Four hours.

See course description under "Psychology."

**588—Individual Psychological Testing: Wechsler-Bellevue.** Four hours.

See course description under "Psychology."

**590—Methods and Techniques of Counseling.** Four hours.

Prerequisite: Education 506.

A course designed to acquaint the guidance worker with the basic fundamentals of counseling and interviewing, including a resume of both old and new methods and techniques used in counseling the individual.

**591a,b,c—Supervised Practice Counseling.** Two hours each.

Prerequisite: Education 590 and consent of instructor.

Assignment of hours and responsibilities arranged with each student.

A supervised practicum in counseling giving the advanced student an opportunity for needed experience under close supervision.

**592—Use and Interpretations of Tests in Guidance.** Four hours.

Prerequisite: Education 506.

A course designed to provide the counselor with means of securing, recording, and using data concerning the individual, with practical experience in using tests, inventories, and other devices for measurement.

**593—Analysis of the Individual.** Four hours.

Prerequisite: Education 506.

A study of the methods and techniques used by guidance workers in helping individuals evaluate themselves, with consideration of collecting, assembling, and using information. Emphasis on subjective techniques.

**594—Advanced Guidance Research Seminar.** Four hours.

Assignments of problems, hours of credit, time of seminar meetings, and individual conferences will be arranged with each student.

Research in the guidance area on problems faced by counselors, teachers, and administrators.

**596a,b,c—Field Work in Guidance.** Two hours each.

Assignment of hours and responsibilities will be arranged with each student. Registration only by permission.

A course designed to give guidance students the opportunity to obtain experience in agencies that provide guidance.

**601—Algebra for Secondary Teachers.** Four hours.

A consideration of problems peculiar to the teaching of algebra and a review of special algebraic principles.

**605—Professional Subject Matter.** Four hours.

Ways to enrich the teaching of high school mathematics by the introduction of elementary topics from college mathematics.

**606—Geometry for Secondary Teachers.** Four hours.

A consideration of problems peculiar to the teaching of geometry and a review of special geometric principles.

**607—Materials in the Teaching of Mathematics.** Four hours.

A study of materials to be used in the teaching of secondary mathematics for multi-sensory aids, mathematics clubs, evaluation, and applications.

**608—Mathematics for Junior High School Teachers.** Four hours.

Prerequisite: To be actively teaching junior high school mathematics or have at least a minor in college mathematics.

A consideration of problems peculiar to the teaching of mathematics in grades 7, 8, and 9 and the organization of mathematical subject matter for these grades.

**609—Advanced Professional Subject Matter.** Four hours.

Prerequisite: Education 605.

**700—Advanced School Administration and Supervision.** Four hours.

The content of this course deals with the problems of supervision and administration of school systems.

**702—Research Problem. Thesis.** Four hours.

Selection of practical educational problems for solution by candidates for a second year graduate school certificate in education using research and professional knowledge. Scholarly report required.

**704—School-Community Relations.** Four hours.

A study of the public relations problems faced by the in-service superintendent; reporting to parents and acquainting community with the purposes, methods, accomplishments and needs of the school.

**706—Administration of School Building and Grounds.** Four hours

Designed for the local superintendent, treating the problems of housing, such as surveys, architect, finance, site, plans and specifications, equipment awarding contract, construction procedures, accepting, building, and care of grounds.

**708—Administration of School Personnel.** Four hours.

A course stressing the administrative relationships involved in developing satisfactory personnel policies, techniques, and regulations dealing with the pupil, the staff, and the public. The general principles of personnel management as it affects the pupil and staff, instructional and noninstructional, will be covered.

**710—School Law.** Four hours.

Legal aspects of such factors as school income, injury to pupils, keeping the school census, enforcing attendance, teaching certain subjects, and related matter.

**714—State and Local Government.** Four hours.

An introduction to the organization and problems of state government with specific application to the conditions existing in Mississippi, and the powers and duties of the various state and local officials as they relate to the operation of the public schools.

**716—History of Public Education in the United States.** Four hours.

**716—History of Public Education in the United States.** Four hours.

A survey of the development of elementary and secondary education in the United States with emphasis on the nineteenth and twentieth centuries.

**718—Comparative Philosophies of Education.** Four hours.

A study of issues in educational philosophy, and criticism and evaluation of the major works of contemporary educational philosophers.

**720—Administrative Workshop.** One and one-half hours per week.

(Course may be repeated, with only nine hours counting toward a degree.)

**722a,b,c—Field Problems in Administration.** One hour each.

Prerequisite: Consent of Chairman of Department of School Administration.

A course dealing with a specific problem in School Administration. An on-the-job training program with work being done under supervision of the staff of the Department of School Administration.

**725—Seminar on Contemporary Problems in Education.** Two hours.

The seminar is planned to assist doctoral students to become familiar with current problems and issues in education.

The undergraduate courses listed below, numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School provided the courses have not been taken for undergraduate credit.

**401—Arithmetic in the Elementary School.** Four hours.

A course in the methods of teaching arithmetic in the elementary grades. Special attention is given to developing an understanding of numbers, teaching basic combinations, and the use of arithmetic text books and workbooks.

**402—Kindergarten—Primary Education.** Four hours.

A study of the contributions which group living makes to the mental and physical health of young children, with emphasis upon child development research in curricular experiences and records designed to help teacher and parent understand child development.

**403—Social Studies in the Elementary Grades.** Four hours.

A study of the social studies in the integrated curriculum and the objectives and content of the social studies, areas and sequences of units, and the selection and evaluation of social studies units for grades 1-6, inclusive.

**407—Reading and Language Arts in the Elementary School.** Four hours.

A course dealing with basic reading problems in the elementary grades, reading interests, and the appraisal of reading abilities. Concerns the creative aspects of language and the elimination of errors of speech.

**408—Diagnostic and Remedial Reading.** Four hours.

A study emphasizing diagnosis and remedial treatment of difficulties in reading in the elementary schools with special emphasis on practices suitable for typical classroom situations through demonstration and observation.

**410—Clinical Procedures and Case Study Techniques in Reading.** Four hours.

Prerequisite: Education 108.

A specialized course in diagnostic and remedial reading with emphasis upon educational and psychological testing and the analysis of reading difficulties. Provides clinical practice in testing and remedial work.

**416—Audio-Visual Education.** Four hours.

A general course for teachers with emphasis upon sound and visual classroom teaching aids. Attention is given to the sources, selection and the uses of audio-visual materials.

**417—Methods and Materials in Children's Literature.** Four hours.

Reading in mythology, legend, history, biography, fiction and poetry. Narrative and dramatic presentations. Comparative editions, graded bibliographies, and standard practice in building collections of books for children.

**420—Advanced Clinical Procedures in Reading.** Four hours.

Prerequisite: Education 108 and 110.

An advanced course in reading clinic procedures. Experience provided in serving as assistant in the reading clinic, administering tests, and teaching remedial cases or groups.

**443—Methods and Materials in the Elementary Grades.** Four hours.

A critical study of general methods of instruction in the elementary subjects. Stresses approved techniques in the light of research in these fields: language arts, social studies, number relationships, handwriting, and spelling.

**450—Education of the Mentally Retarded.** Four hours.

A study of the social, emotional, physical, and intellectual characteristics of the mentally retarded; methods of diagnosis and differentiation; special class organization, methods, and materials.

**462—Curriculum of the Secondary School.** Two hours.

Prerequisite: Education 113.

A critical examination of the present day curriculum with greater emphasis upon the core curriculum.

**464—Student Activities in Secondary Schools.** Two hours.

Consideration is given to the general nature and organization of the program popularly known as extra-curricular activities. Major emphasis upon the various activities that constitute an activity program in a modern high school.

**469—Tests and Measurements.** Four hours.

Consideration of good evaluative practices in elementary and high schools, the preparation and use of informal objectives and essay-type tests, a study of typical standard tests, and an introduction to elementary statistical procedures.

**476—Individual Psychological Testing: Stanford-Binet.** Four hours.

See course description under "Psychology."

**477—Individual Psychological Testing: Wechsler-Bellevue.** Four hours.

See course description under "Psychology."

**487—Aviation Education Workshop.** Four hours.

**491—Workshop on Citizenship Education.** Three hours.

A workshop of two weeks in cooperation with Citizenship Education Project of Teachers College, Columbia University, dealing with ways and means of improving local citizenship education programs. Fee \$20.

**496—The Psychology and Education of the Exceptional Child.** Four hours.

Considers the psychological and educational needs of children in the atypical groups: physically, visually, or auditorially handicapped; defective speech, mentally retarded, or socially and emotionally maladjusted.

**497—Problems in Special Education.** Four hours.

Organization and administration at both state and local level of the education of the exceptional child, with attention to the related problems of special education of the atypical, or handicapped child.

**DEPARTMENT OF HEALTH, PHYSICAL EDUCATION  
AND RECREATION**

J. L. Milam, Chairman

Barham      Hooker      Johnson      Lewis      Shivers  
Switzer      Warren      Yarrow

**CURRICULUM PRESCRIPTIONS**

Prerequisite: An undergraduate major or minor in health and/or physical education thirty quarter hours or the equivalent.

**EDUCATION 501—Research: Its Introduction and Methodology.** Four hours.

EDUCATION 504—Foundations in American Education. Four hours.  
 EDUCATION 507—Basic Course in Curriculum Development. Four hours.  
 EDUCATION ELECTIVE (numbered in the 500's). Four hours.  
 EDUCATION 514B—Thesis. Six hours. (Credit deferred until thesis completed.)\*  
 PHYSICAL EDUCATION 540—Problems of Administration in Health, Physical Education and Recreation. Four hours.  
 PHYSICAL EDUCATION 542—Problems of Curriculum in Health, and Physical Education. Four hours.  
 PHYSICAL EDUCATION 544—Foundations and Trends in Health and Physical Education. Four hours.  
 PHYSICAL EDUCATION 545—Problems in Recreation. Four hours.  
 PHYSICAL EDUCATION 546—Advanced School Hygiene. Four hours.  
 HEALTH 494—Evaluation in Health and Physical Education. Four hours.

TOTAL 46 or 40 hours.

FREE ELECTIVES—0 to 6 hours.

\*Required only of students writing thesis.

### **ALTERNATIVE PATTERN FOR HEALTH SOCIAL WORKERS**

#### **CURRICULUM PRESCRIPTIONS**

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
 EDUCATION 504—Foundations in American Education. Four hours.  
 EDUCATION 507—Basic Course in Curriculum Development. Four hours.  
 EDUCATION ELECTIVE—(Numbered in the 500's) Four hours.  
 EDUCATION 514B—Thesis. Six hours. (Credit deferred until thesis completed.)\*  
 PHYSICAL EDUCATION 540 or 542. Four hours.  
 PHYSICAL EDUCATION 546—Advanced School Hygiene. Four hours.  
 Eight hours in mental hygiene, sociology, and guidance.

TOTAL—38 or 32 hours.

FREE ELECTIVES—8 or 14 hours.

\*Required only of students writing thesis.

### **MAJOR IN RECREATION**

#### **CURRICULUM PRESCRIPTIONS**

RECREATION 514B—Thesis. Six hours. (Credit deferred until thesis completed.)\*  
 RECREATION 545—Problems in Recreation. Four hours.  
 RECREATION 551—Gerontology and Recreation. Four hours.  
 RECREATION 552—Foundations, Trends, and Philosophies of Recreation. Four hours.  
 RECREATION 553—Administration and Supervision in Recreation. Four hours.  
 RECREATION 554—Evaluation in Recreation. Four hours.  
 RECREATION 555—Outdoor Education and Camping. Four hours.  
 EDUCATION—Sixteen hours selected with approval of major professor.

TOTAL 46 or 40 hours.

FREE ELECTIVES 0 or 6 hours.

Education courses highly recommended for minor:

EDUCATION 501—Research: Its Introduction and Methodology. Four hours.  
 EDUCATION 504—Foundations in American Education. Four hours.  
 EDUCATION 507—Basic Course in Curriculum Development. Four hours.

\*Required only of students writing thesis.

## MAJOR IN HOSPITAL RECREATION

The master's degree program in hospital recreational service is designed to prepare professional specialists for assumption of supervisory and executive responsibility within the para-medical operations of the hospital setting. Course sequences have been arranged to provide recreational as well as medical science knowledge. This program is offered by the Recreation Department as a full major with at least 24 hours of departmental work and 16 to 22 hours of course work in one or more other departments of the college. Included in this program is a nine month clinical experience at the VA Center, Biloxi and Gulfport.

## COURSE DESCRIPTIONS

The courses listed below numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School, provided they have not been taken for undergraduate credit.

### HEALTH

#### 425—Problems of Child Health. Four hours.

Prerequisite: Health 79.

Child safety, nutrition, diseases of children, mental health of children, growth.

#### 431—Sanitation. Four hours.

Problems of sanitation in the home and school, in food producing and handling, water supply, waste and excreta disposal. Based on an understanding of general biology.

#### 433—First Aid. Two hours.

Standard first aid as approved by the American Red Cross. Emphasis on preparing students in the knowledge and skills needed in preventing accidents as well as rendering first aid to the sick and injured.

#### 435—Safety Education. Two hours.

A study of the general program of safety education in public schools, with special reference to the selection and organization of materials, including the methods and techniques of instruction: visual aids, safety projects, special programs, and the utilization of agencies outside the school.

#### 443—Advanced and Instructor First Aid. Two hours.

Prerequisite: Health 133.

An advanced study certifying personnel to conduct first aid courses in schools and community.

#### 451—Marriage and the Family. Four hours.

A course designed to give better understanding of the factors that contribute to success and happiness in marriage. Preparation for marriage; marriage adjustment; family functions and situations; factors making for successful family living.

#### 452—Physiology of Exercise. Four hours.

A study of the physiological changes which occur in the body during muscular activity. Based on a general understanding of the human body.

#### 454—Health Education in Elementary Schools. Four hours.

Methods and materials for the elementary teacher, with special emphasis on instruction and on coordination of school and community health programs.

**455—Health Education in Secondary Schools.** Four hours.

Primarily for students majoring or minoring in health and physical education.

Materials and techniques for high school teachers of health; conducting the school health program at the secondary level.

**470—Anatomy and Applied Physiology.** Four hours.

A study of the human skeleton, with emphasis on the joints, points of muscular attachments, and basic principles involved in physiology of exercise.

**482—Kinesiology.** Four hours.

Prerequisites: Biology 37, 38, 39, & 136.

Analysis of movement based on a knowledge of anatomy and physiology as applied to the function of muscles in body mechanics.

**492—School Health.** Four hours.

Organization and operation of the school health program with emphasis on policies, procedures, problems, cooperating agencies, and field work.

**494—Evaluation in Health and Physical Education.** Four hours.

Open to qualified seniors and graduates.

Tests in health, fitness, strength, skills and abilities. Administration and interpretation.

**496—Marriage and Family Life.** Four hours.

Physical, emotional, and medical basis and preparation for successful courtship, marriage, and parenthood.

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's, or 700's and may NOT be taken by undergraduates.

## **PHYSICAL EDUCATION**

**540—Problems of Administration in Health, Physical Education and Recreation.** Four hours.

Selection and care of equipment; school and community organizations, facilities, budget, finance, and educational publicity.

**542—Problems of Curriculum in Health and Physical Education.** Four hours.

Fundamental principles and bases of curriculum construction, analysis of activities for teaching purposes and program planning.

**544—Foundations and Trends in Health and Physical Education.** Four hours.

Scientific bases, history, principles, curricula, and professional preparation.

**545—Problems in Recreation.** Four hours.

Special attention to problems in recreation, including small town recreation, the school and recreation, coordinating community recreation services, field trips, public relations, program planning for given situations, and survey for recreational needs.

**546—Advanced School Hygiene.** Four hours.

Health service, plant and equipment, meeting community needs, utilizing community resources, health instruction.

**548—Seminar in Health and Physical Education.** Two hours.

Discovery and recognition of problems, evaluation of problems and procedures, types and techniques of research.

The undergraduate courses listed below, numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School provided the courses have not been taken for undergraduate credit.

**422—Techniques of Teaching Rhythms.** Two hours.

Prerequisite: Some knowledge of music.

**449—Physical Education in Elementary Schools.** Four hours.

Materials and methods of teaching physical education in the elementary grades; both theory and practical experience in selecting, organizing and directing activities for the elementary school.

**451—Physical Education in Secondary Schools.** Four hours.

Experience in planning activities for the high school and in reviewing or learning the necessary skills and techniques of leadership. Opportunity for study of rhythms, dual sports, tumbling, gymnastics, group games (volleyball, speed ball, soccer), and aquatics.

**455m-w—Techniques of Officiating Sports.** Four hours.

Football, basketball, baseball, and track.

**481m-w—Preventive and Corrective Physical Education.** Four hours.**487—Theory of Teaching Swimming and Diving.** Two hours.

Prerequisite: Physical Education 125 or equivalent.

**490—Organization and Administration of Health, Physical Education, and Recreation.** Four hours.

A course emphasizing the theory and practice in adopting policies and procedures necessary to the development and administration of a sound program in small, medium, and large high schools.

**495a,b,c—Coaching the Minor Sports.** Two hours.

Golf, tennis, badminton, volleyball, archery, handball, swimming, tumbling, and gymnastics. Practical experience in the various phases of the intramural program or the required program of physical education.

## **RECREATION**

**514B—Thesis.** Six hours. (Credit deferred until thesis completed.)**545—Problems in Recreation.** Four hours.

See course description under "Physical Education."

**551—Gerontology and Recreation.** Four hours.

This is a professional course at the graduate level. The course deals with the study of the aging process and recreational service as a technique which may enable the individual to achieve recognition and status within his own community. The emphasis is placed upon the factors that promote intellectual, emotional, spiritual, and social maturity.

**552—Foundations, Trends, and Philosophies of Recreation.** Four hours.

This course deals with the establishment of a discipline for the field of recreational service. Course content is concerned with concepts that are traceable to early Greek philosophy, Renaissance explorations, enlightenment humanism, and contemporary philosophies of the American Culture. The course presents a conceptualization of recreation, its foundations, philosophies, trends, and place in the American Culture.

**553—Administration and Supervision in Recreation.** Four hours.

The content of this course consists of that subject which represents the collected knowledge concerning the field of public administration, its principles, techniques, and practices, particularly as it pertains to recreational agencies which provide unique services to the public at large; and more generally to the supervisory process and administrative leadership in recreational agencies.

**554—Evaluation in Recreation.** Four hours.

This course will contain such vital procedures as: the quantitative and qualitative gathering of information about the recreational program; the creation of standards and the most effective means of comparison with known standards in the recreational process; the use of research techniques to discover the deeds of people, to appraise existing facilities, to gauge public sentiment regarding program, to discern department development.

**555—Outdoor Education and Camping.** Four hours.

The course contains phases of outdoor education concerning conscious recognition and identification of natural phenomena which includes: (1) an introduction to the elements and philosophy of outdoor education as it is related to recreation; (2) the integration of the arts and sciences in outdoor education; (3) fundamentals of outdoor living or camping; and (4) methods of programming in an outdoor setting.

**556—Organization and Administration in Hospital Recreation Service.**

Four hours.

This specialized professional course deals with the organization and administration of hospital services. It provides needed information on types of diseases, disabilities, and other infirmities to be encountered in various types of hospitals, and medical terminology utilized by the professional medical and technical staff in the hospital environment. Diseases that hospitalize people are studied with the aim of providing recreational experiences for the hospitalized person.

**557—Methods, Observation, and Participation in Hospital Recreational Service.** Four hours.

This course is designed to help understand the need for varying types of activity in relation to the disease or disability of the patient.

The courses listed below numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School, provided they have not been taken for undergraduate credit.

**433—Camp Counseling and Administration of Camping.** Two hours.

A course dealing with the development of skills in the technique of camp leadership and administration.

**440—Recreation Leadership.** Four hours.

A course offering opportunity to develop individual personality and competency in leading recreational activities.

**448—Recreational Music.** Two hours.

A course approaching music in relation to recreational possibilities; developing group singing, novelties, concerts, and home-made instruments.

**469—Recreational Skills.** Four hours.

A course adapting different craft media to use in recreation programs, including making of game equipment, dramatic properties, hobbies, decorations, and other related craft.

**491—Administration of Recreation.** Four hours.

A study of official, voluntary, and private organizations for recreation, with special consideration of legal aspects, personnel, facilities, finance, program, and public relations.

**DEPARTMENT OF INDUSTRIAL ARTS**

Zed H. Burns, Chairman  
Thomas

The Master of Science degree as a subject-matter degree has been approved with the following requirements:

- a. Thesis. (Optional, to be determined by the student and his major professor)
- b. No foreign language requirement at the present time.
- c. The student will select from the courses listed below in Industrial Arts a minimum of thirty (30) quarter hours of work. He will also accomplish a minimum of sixteen (16) hours of graduate work in minor field. Suggested minor fields include the following: Psychology, Education, Psychology of Reading, Counseling and Guidance, Economics, and Mathematics.

**COURSE DESCRIPTIONS****506—Foundations and Principles of Industrial Arts.** Four hours.

A basic course on the underlying philosophy and principles of industrial arts education. Objectives and relation to allied fields. Research and individual reports required.

**514B—Thesis.** Six hours. (Credit deferred until thesis completed).**535a,b,c—Special Problems.** One to three hours.

Intensive study of a selected research area or problem in industrial arts.

**550—Establishing the Industrial Arts Program.** Four hours.

A detailed consideration of the individual school program in industrial arts, its organization, physical and educational requirements, and coordination with other educational requirements. Specific problems studied and reported.

**560—Shop and Small Plant Design.** Four hours.

Fundamental problems in design of work space. Working drawings and reports required.

**570—Advanced Graphic Science.** Four hours.

A study of the methods and materials used in graphic science, advanced engineering and architectural drafting. Study of the literature and techniques in this field.

**580—Leadership.** Four hours.

Study of the factors effecting leadership in a school or industrial setting; emphasis is placed on status and esteem as factors.

594a,b,c—Seminar in Industrial Arts Problems. Two hours per quarter. May be taken three quarters.

Survey of field of industrial arts and intensive study of selected problems.

The undergraduate courses listed below, numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School provided the courses have not been taken for undergraduate credit.

**414—Leather Work.** Four hours.

Instruction in tooling, embossing, lacing, and designing selected leather projects.

**427—Architectural Drawing.** Four hours.

428—Planning and Equipping of the School Shop. Four hours.

Planning the laying out of rooms and other building facilities. Purchase and arrangement of equipment. Selection of suitable equipment for special conditions. The cost of equipment, supplies, and maintenance.

Similar to Industrial Arts 170 but intended for the non-professional draftsman.

**429—Shop care and Management.** Four hours.

A study of machine placement; student movement; arrangement of safety zones; upkeep and repair of tools; tool storage and distribution; storage of materials; assembly areas; general appearance of the shop.

470—Architectural Design I. Four hours.

Use of drawing tools, delineation, lettering, shadows and perspective, elementary design problems.

471—Architectural Design II. Four hours.

Analysis and solution of simple problems of architectural design, study of space and mass, structural details, outline specifications.

472—Architectural Design III. Four hours.

Analysis and solution of architectural problems of moderate complexity, emphasis on domestic problems and simple commercial building. Attention is given to construction and finish details through research, discussion, drawings, and models.

490—History and Philosophy of Industrial Arts. Four hours.

A critical consideration of various points of view; important contributions to general education; philosophy of industrial arts education.

## **DEPARTMENT OF PSYCHOLOGY**

Ray S. Musgrave, Chairman  
Frye Stritch Leach

The Master of Arts or the Master of Science degree program is planned primarily as a foundation for advanced graduate work in psychology for students who intend to make psychology their profession with training to the doctoral level. Students who successfully complete this Master's program may also qualify for some positions in schools, in state institutions and hospitals, in clinics, or in industry.

The general requirements for the Master of Arts and Master of Science degrees listed elsewhere in this bulletin should be observed.

The Doctor of Philosophy degree is offered with a major in psychology. The general requirements for the Doctor of Philosophy degree are listed elsewhere in this bulletin and should be observed.

### CURRICULUM PRESCRIPTIONS FOR THE MASTER'S DEGREES

**PSYCHOLOGY 501**—Quantitative Methods and Research Design in Psychology. Four hours.

**PSYCHOLOGY 502**—Advanced Experimental Psychology. Four hours.

**PSYCHOLOGY 503**—Learning and Motivation. Four hours.

**PSYCHOLOGY 504a,b,c**—Seminar in Problems in Contemporary Psychology. Two hours each quarter for three quarters.

**PSYCHOLOGY 514B**—Thesis. Six hours. (Credit deferred until thesis is completed.)\*

**TOTAL**—18 or 24.

\*Required only of students writing thesis. (Plan I)

The remainder of the student's program is planned with the approval of his major professor in the light of the individual student's goals and needs.

### COURSE DESCRIPTIONS

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's, or 700's and may NOT be taken by undergraduates.

#### PSYCHOLOGY

**501—Quantitative Methods and Research Design in Psychology.** Four hours.

Problems of research design, utilization of quantitative methods in planning research, collection, analysis, and interpretation of data, and testing of hypotheses.

**502—Advanced Experimental Psychology.** Four hours.

Critical evaluation of and use of a variety of experimental techniques. Each student conducts an original study.

**503—Learning and Motivation I.** Four hours.

Consideration of the basic concepts, problems, and research methodology in the studying of learning and motivation.

**504a,b,c—Seminar in Problems in Contemporary Psychology.** Two hours each quarter for three quarters.

**510—Advanced Educational Psychology.** Four hours.

Designed primarily for the graduate student wishing to broaden his knowledge in the field of psychology of learning. Careful study of research and experimentation dealing with individual and group learning.

**514B—Thesis.** Six hours. (Credit deferred until thesis completed.)

**520—Intelligence; Theories and Development.** Four hours.

Nature of intelligence, and its development; critical evaluation of methods of measurement; relation of intelligence to social efficiency.

**521—Introduction to Projective Techniques.** Four hours.

Intensive study of selected problems in industrial and personal psychology.

**522—Personality.** Four hours.

Consideration of the major theories of personality, and research on the development and measurement of personality.

**523—Personnel and Industrial Psychology.** Four hours.

Intensive study of selected problems in industrial and personal psychology.

**524—Physiological Psychology.** Four hours.

Study of neurophysiological mechanism in behavior, and related problems.

**535a,b,c—Special Problems.** One to three hours.

Intensive study of a selected research area or field of professional psychology.

**561—Clinical Psychology.** Four hours.**562—Research Methods: Descriptive Statistical Methods.** Four hours.

A brief review of measures of central tendency and variability with emphasis upon correlation theory, techniques of calculation and application of correlation methods to tests and research data. Introduction to sampling problems, Pearsons Product Moment Method of Correlation, biserial, point biserial correlation, tetrachoric correlation, contingency correlation, partial and multiple correlation.

**563—Research Methods: Significance Tests and Experimental Designs.** Four hours.

A brief review of descriptive statistics and normal curve functions. Study of inference and sampling theory emphasizing parametric and non-parametric tests of significance: critical ratio, t-test, chi square, analysis of variance, problems of experimental design.

**574—Advanced Child Psychology.** Four hours.

A course dealing with the mental, motor, social, and emotional development of children of elementary school age. Stresses the application of development psychology to education and guidance. Considers child growth as progressive development.

**575—Advanced Adolescent Psychology.** Four hours.

An advanced study of the adolescent and his needs in the home, school, and community. Includes a survey of the research studies and literature on the period of adolescence, and individual and group reports.

**580—Leadership.** Four hours.

See course description under "Industrial Arts."

**587—Advanced Individual Psychological Testing: Stanford-Binet.** Four hours.

To equip the psychological worker to administer individual intelligence tests, and to interpret and apply the test results for diagnosing difficulties in scholastic and personality adjustment. Thorough analysis and intensive practice in mental testing is afforded. The Terman-Merrill Revision of the Stanford-Binet is employed. Approval of the department head or instructor is required for admission to the course.

**588—Advanced Individual Psychological Testing: Wechsler Scales.** Four hours.

To equip the psychological worker to administer individual intelligence tests, and to interpret and apply the test results for diagnosing difficulties in scholastic and personality adjustment. Thorough analysis and intensive

practice in mental testing is afforded. The Wechsler Scales is employed. Approval of the department head or instructor is required for admission to the course.

**602—Experimental Design.** Four hours.

A study of the rationale underlying the selection of appropriate designs for experimental work and the analysis and interpretation of results obtained through the use of such designs.

**610—Group Dynamics.** Four hours.

A study of theory and practice in group development and group dynamics.

**620—Philosophy of Science.** Four hours.

A study of scientific methodology, theory construction, and system building in modern psychology.

**630—Learning and Motivation II.** Four hours.

An intensive study of the role of contemporary theories of learning and motivation in current research.

**640—Comparative Psychology.** Four hours.

An examination of methodology employed in animal research, and results of experimentation in the area of animal behavior.

**650—Emotions.** Four hours.

A critical review of the nature and development of emotion, with emphasis upon current theoretical interpretations.

**660—Perception.** Four hours.

The development and nature of human perception and its relation to adaptive behavior.

**670—Seminar in Teaching of Psychology.** Two hours.

An analysis of the Psycho-educational problems involved in the undergraduate and graduate teaching of psychology.

**680—Practicum in Teaching Psychology.** Four hours.

Supervised teaching of courses in psychology.

**690—Advanced Social Psychology.** Four hours.

A study of theory, research, and practice related to group processes and their interaction with individual behavior.

**701—Factor Analysis.** Four hours.

Methods of multivariate analysis, emphasizing methods of factor analysis and cluster analysis.

**710—Personality Assessment.** Four hours.

Study of theory and practice in the administration of and interpretation of tests used in the assessment of personality.

**720—Clinical Psychology II.** Four hours.

An analysis of the interrelations between behavior disorders and psychodiagnostics with a view to selection of appropriate therapeutic programs.

**787a,b,c—Advanced Experimental Psychology.** Four to twelve hours.

For graduate students who wish to conduct research on individual problems not included in graduate theses. Emphasis is placed upon background preparation, design, and analysis of research data. Problems should be of publishable quality.

The undergraduate courses listed below, numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School provided the courses have not been taken for undergraduate credit.

**439—Social Psychology.** Four hours.

Prerequisite: Psychology 65.

(Same as Sociology 139.)

Psychological factors and influences in group behavior. Study of the individual in group situations, and the influence of the social environment on his behavior and development.

**449—Industrial Psychology.** Four hours.

Prerequisite: Psychology 65 (Mathematics 120 recommended).

Applications of psychological principles and methods to problems of industry emphasizing employee selection and placement, merit rating, accident reduction, training, and measurement and improvement of employee morale.

**476—Individual Psychological Testing: Stanford-Binet.** Four hours.

Prerequisites: Good background in psychology and permission of the instructor.

Experience under close supervision in the administration, scoring, and interpretation of the Terman-Merrill Revision of the Stanford-Binet test; use of test results in diagnosis of scholastic and personality problems.

**477—Individual Psychological Testing: Wechsler-Bellevue.** Four hours.

Prerequisites: Good background in psychology and permission of the instructor.

Experience under close supervision in the administration, scoring, and interpretation of the Wechsler Adult Intelligence Scale; use of test results in diagnosis of the scholastic and personality problems.

**478—Psychological Measurement.** Four hours.

Prerequisite: Psychology 65 (Mathematics 120 recommended).

Theory, problems and techniques of psychological measurement. Group tests of ability, aptitude, interests and personality are emphasized.

**480—Psychology of Personality.** Four hours.

Prerequisites: Psychology 65 and permission of the instructor.

A study of the factors involved in the development of the mature personality, with an analysis of the structure and dynamics of personality; critical review of methods of personality evaluation.

**486—Experimental Psychology I.** Four hours.

Prerequisites: Psychology 65 and permission of the instructor (Mathematics 120 recommended).

Two hours of lecture and two two-hour laboratory periods.

Introduction to psychological laboratory work. Experiments include study of sensory and perceptual processes, emotion and motivation.

**487—Experimental Psychology II.** Four hours.

Prerequisites: Psychology 65 and permission of the instructor (Mathematics 120 recommended).

Two hours of lecture and two two-hour laboratory periods.

Introduction to psychological experimental techniques. Experiments include study of learning, memory, and thinking.

**488—Experimental Educational Psychology.** Four hours.

Prerequisites: Psychology 65, and 119 or 116.

A study of the methods and techniques of experimental study of school problems; experience in setting up and conducting studies.

**490—Physiological Psychology.** Four hours.

Prerequisites: Psychology 65, Biology 37 and 38, or equivalent.

Relationships between physiological functions, especially those of the nervous system, and psychological functions, including perception, emotion, motivation and learning. Primarily for psychology majors and premedical students.

**491—Abnormal Psychology.** Four hours.

Prerequisites: Good background in psychology and permission of the instructor.

Study of the major psychoses, the psychoneuroses, and mental deficiency; field trips and demonstration clinics. Primarily for psychology majors, premedical students, and students planning to enter law, social work, teaching, or the ministry.

**494—History and Systems of Psychology.** Four hours.

Prerequisite: Permission of the instructor.

Review of the history of psychology, and intensive study of current systems of psychology. Primarily for psychology majors as final senior course.



NEW LIBRARY

**SCHOOL OF ARTS AND SCIENCES**

John H. Allen, Dean

Mississippi Southern College offers the Master of Arts and Master of Science degrees in several subject matter fields in the School of Arts and Sciences.

A student may choose a graduate major from one of the following fields: Biology, Microbiology, Chemistry, English, History and Government, Speech, Mathematics, Combined Sciences, and Social Studies. The major in Combined Sciences is a cooperative offering of the departments of Biology, Chemistry, Mathematics, and Physics. The program requires that work be done in at least two of the cooperating departments and that no more than 24 hours may be taken in a single field.

In choosing a graduate minor a student must have the approval of his major professor and the chairman of his major department. The following are representative fields from which the minor may be chosen: Botany, Economics, Chemistry, Biology, Microbiology, Mathematics, Speech, History, English, Geography, Sociology, Education, Psychology, and French; Gov.

In planning his program of graduate work, a student should consult and work very closely with his major professor and department chairman.

**ADMISSION TO GRADUATE STUDY**

General requirements for admission to the Graduate School may be found listed elsewhere in this bulletin.

**ADMISSION TO CANDIDACY FOR MASTER'S DEGREE**

General requirements for admission to candidacy for a Master's degree may be found listed elsewhere in this bulletin.

In addition to the general candidacy requirements, a student seeking the Master of Arts degree must present the equivalent of eighteen undergraduate quarter hours in a foreign language or pass a reading examination. The choice of a foreign language must be approved by the chairman of the major department. Undergraduate credit in a foreign language earned at another institution must be approved by the chairman of the Foreign Language Department. The foreign language requirement is optional with each department until September 1, 1960, after which date it will apply to all Master of Arts degrees.

**DEPARTMENT OF BIOLOGY**

J. Fred Walker, Chairman

Ball  
Gunter

Harris  
Ward

Woodmansee

The Department of Biology participates in programs leading to the Master of Arts, Master of Science, the Master of Education degrees. For all Master's degrees a minimum of 46 graduate hours are required, 16 of which must be in courses numbered above 500.

For the Master of Arts degree, the student must take 16 graduate hours in an academic minor field approved by the department, demonstrate proficiency in a foreign language, and write a thesis.

For the Master of Science degree, the student may elect a minor in any field approved by the department. In order to fulfill the professional requirements for an education minor leading to the Class AA teacher's certificate, the student should take Education 501, 504, and 4 hours from Education 507 and 510, and a 4 hour elective in education to total 16 hours. There is no language requirement for the Master of Science degree, and the requirement of a thesis will be at the discretion of the Department Chairman.

For the Master of Education degree in Secondary Education, the student electing biology as a subject-matter area must take a minimum of 16 hours in graduate biology courses.

## COURSE DESCRIPTIONS

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's, or 700's and may NOT be taken by undergraduates.

**500—Special Problems in Biology.** Two to eight hours.

Prerequisite: A thorough background in biology.

Individuals will be assigned some specific problem in biology to investigate under faculty direction. Credit will be determined by the quality and quantity of work done varying from 2 to a maximum of 8 hours.

**501—Biology Seminar.** One or two hours.

The presentation and defense of current, classical concepts and principles of biology.

**502—Philosophical Implications of Biology.** Four hours.

Implications of different interpretation of great biological theories.

**504—Invertebrate Zoology for High School Teachers.** Four hours.

Prerequisite: Twelve quarter hours of biology.

A course in invertebrate zoology especially designed for public school teachers to broaden and strengthen their understanding of the variety of structural and physiological methods used by specific forms to meet successfully the demands for survival.

**507—Advanced General Botany for High School Teachers.** Four hours.

Six hours of laboratory per week including field trips and two hours lecture.

This is a comprehensive course dealing with the basic principles of botany and a survey of the flowering plants.

**508—Utilization of Local Fauna and Flora in the Teaching of High School Biology.** Four hours.

A course designed to aid high school teachers in the utilization of local materials, to equip them with essential techniques for utilizing these materials in the teaching of high school biology.

**514B—Thesis.** Six hours.

**515—Biological Oceanography.**

Two hours lecture and four hours laboratory per week.

Prerequisite: Biology 196 or 496.

A consideration of the sea as a biological environment, of the organisms which inhabit the sea, and of the interrelationships existing between marine organisms and the physical, chemical, and biological aspects of their environment. (Three all day Saturday field trips)

**541—Marine Fisheries Biology.** Six hours.

Prerequisites: 12 semester hours in zoology, and one year of college mathematics.

An introduction to the general principles of the subject including the simpler statistical procedures, collection of production statistics, and a general review of the world fisheries with special emphasis on the United States.

The undergraduate courses listed below, numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School provided the courses have not been taken for undergraduate credit.

**415—Entomology.** Four hours.

Prerequisite: Biology 37, 38, 39.

This course will deal with the principal groups of insects. Life habits, structural features, life histories, and classification of certain species of economic and general significance will be considered.

**417—Botany I.** Four hours.

Prerequisite: Twelve hours of biology.

Two theory periods and two 2-hour laboratory periods each week.

Advanced course in Botany which treats the gross and microscopic structures, physiology, life cycles, and economic significance of Thallophytes.

**418—Botany II.** Four hours.

A continuation of Biology 417.

Prerequisite: Biology 417.

Two theory periods and two 2-hour laboratory periods each week.

A study of gross and microscopic structures of the Bryophytes and Pteridophytes.

**419—Alcohol Studies.** Two hours.

A study will be made of scientific discoveries which may be applied to the solution of one of our greatest social problems. This course will follow in general subject matter as presented by the Yale University School of Alcohol Studies. Considerable library work will be required of all graduate students in this course.

**420—Taxonomy of Higher Plants.** Four hours.

Prerequisite: 20 quarter hours of biology, 4 of which must be botany.

Two theory periods and two 2-hour laboratory periods each week.

Taxonomy and study of wild and cultivated plants. Theoretical laboratory, and field work.

**439—Bacteriology I.** Four hours.

Prerequisite: 12 quarter hours of biology and 12 quarter hours of chemistry. A consideration of fundamental principles of bacteriology will be noted.

**440—Genetics.** Four hours.

Prerequisite: Biology 37, 38, 39.

A study of fundamental problems of inheritance and the cytological mechanics of heredity. The student will be required to make periodic reports on current literature in the field of genetics.

**441—General Bacteriology II.** Four hours.

Four hours laboratory and two hours lecture.

Prerequisite: 139 or 439.

A continuation of 139 or 439.

**442—Protozoology.** Four hours.

Prerequisite: Biology 37, 38, 39.

Two theory periods and two 2-hour laboratory periods each week.

Study of parasitic and free-living protozoa, life histories and anatomy of typical forms. The student is required to prepare permanent and temporary mounts of protozoa.

**443-444—Comparative Anatomy.** Eight hours.

Prerequisite: Biology 37, 38, 39.

Two theory periods and two 2-hour laboratory periods each week.

A comprehensive treatment of the comparative anatomy of chordates. Graduate students will be allowed credit for this course only upon specific permission of the instructor.

**445—Applied Bacteriology.** Four hours.

Prerequisite: Biology 37, 38, 39, organic chemistry, and at least one previous course in bacteriology.

**446—Parasitology.** Four hours.

Prerequisite: Biology 37 and 38.

Four hours laboratory and two hours lecture per week

The epidemiology, morphology and importance of animal parasites, with emphasis on those affecting man.

**447—Parasitology.** Four hours.

Prerequisite: 446 or consent of instructor.

Four hours laboratory and two hours lecture per week.

A continuation of 446.

**448—Water and Sewerage.** Four hours.

Prerequisite: General Bacteriology, General Chemistry.

One hour lecture and six hours laboratory.

Considerations of control of water supply purity. Standard methods, sources and types of pollution, methods, aims, and control of sewerage disposal. Laboratory devoted to attainment of facility in technique and familiarity with preparation of media and reagents.

**449—Industrial Microbiology.** Four hours.

Prerequisite: Organic Chemistry, General Bacteriology or Mycology.

Four hours lecture, no laboratory.

A consideration of microorganisms of industrial significance, their products, and of the practical problems dictating company policies.

**451—Physiology of Bacteria.** Four hours.

Prerequisite: General Bacteriology.

Four hours lecture, no laboratory.

Composition and growth of bacteria. Nutrition, fermentation mechanism and enzymes.

**453—Marine Invertebrate Zoology.** Nine hours.

Taught at the Gulf Coast Research Laboratory. A study of the structure, natural habitats, classification and economic importance of invertebrate species native to the waters of the Mississippi Sound and around the out-lying islands. Fee—\$4.00 per quarter hour.

**456—Public Health Bacteriology.** Four hours.

Prerequisite: General Bacteriology.

Two hours lecture and four hours laboratory.

A consideration of the major groups of organisms. Schemes for isolation and identification.

**458—Comparative Physiology of Marine Animals.** Four and one-half hours.

Taught at Gulf Coast Research Laboratory.

Prerequisite: General Biology and General Chemistry.

Lectures and laboratory experimentation on fundamental physiological principles, using marine organisms. Fee—\$4.00 per quarter hour.

**459—Parasitology of Marine Animals.** Four and one-half quarter hours.

Taught at Gulf Coast Research Laboratory.

Prerequisite: Twenty-four quarter hours of biology.

Laboratory and field study of the great variety of parasites found in marine fishes and invertebrates. Fee—\$4.00 per quarter hour.

**461—Marine Vertebrate Zoology.** Nine hours.

Taught at Gulf Coast Laboratory.

Prerequisite: Twelve hours in biology, including comparative anatomy.

A formal lecture and laboratory survey of all marine Chordate, including the lower subphyla, the fishes, reptiles, mammals and shore birds.

**462—Virology.** Four hours.

Prerequisite: 12 hours of Bacteriology.

Four hours lecture and no laboratory.

A consideration of these parasites of bacterial cells, plant and animal cells.

**466—Microtechnique.** Four hours.

Prerequisite: Biology 37, 38, 39.

Six hours laboratory and one hour lecture per week.

The techniques for the preparation of tissues for microscopic study and special techniques for revealing cytological details will be investigated. Extensive series of histological and cytological slides will be required of each student.

**467—Histology.** Four hours.

Prerequisite: 24 quarter hours of biology.

Three lecture periods and four hours of laboratory each week.

A thorough study of the principal tissues and organs of the body.

**470—Plant Geography.** Four hours.

Prerequisites: Botany 40 and 120.

This course is designed to acquaint the student with the distribution, both in time and space, of the major groupings of vascular plants. The emphasis is placed on the present distribution of the families, genera and species of flowering plants. Four theory periods per week.

**473—Introductory Mycology.** Four hours.

Two hours lecture and four hours laboratory.

Prerequisite: General Bacteriology or Botany 40.

The nature, importance and classification of fungi. Laboratory devoted to general procedures of cultivation and identification.

**487—Bacteriology.** Four hours.

Four lectures per week.

A course supplementing Bacteriology 139 with special emphasis on molds, yeasts, and bacteria associated with disease.

**488—Techniques in Biology for High School Teachers.** Six hours.

Prerequisite: 12 quarter hours of Biology. This course is given at the Gulf Coast Research Laboratory.

This course is designed to provide teachers of the biological sciences in the elementary and secondary schools with an opportunity to become acquainted with marine life in the Gulf of Mexico. Field trips to many animal habitats will be made. Trips to shrimping grounds, oyster reefs, and sea food processing plants will be made. Each student will have an opportunity to make teaching collections of marine organisms.

**490—Embryology I.** Four hours.

Prerequisite: Biology 37, 38, and 39, and 143 and 144.

Two theory periods and two 2-hour laboratory periods per week.

The embryological development of vertebrates, especially the frog, will be studied. Maturation, fertilization, cleavage, origin and development of germ layers, histogenesis and organogenesis are considered.

**491—Embryology II.** Four hours.

Prerequisite: Biology 490.

A continuation of Biology 490 and embryology.

Two theory periods and two 2-hour laboratory periods per week.

Development of vertebrates, especially the chick and the pig, will be studied. Histogenesis and organogenesis of the chick, pig, and human are considered.

**495-496-497—Ecology.** Twelve hours.

Prerequisites: An acceptable background in biology, chemistry and physics.

Two theory periods and two 2-hour laboratory periods per week.

An intensive advanced study of the relationship between organisms and their environment.

**498—Limnology.** Four hours.

Prerequisite: Biology 37, 38, and 39. Biology 142, 195, and 196 strongly recommended.

A study of the physical, chemical, and biological conditions in lakes, ponds, and streams. Lectures, laboratories, and field trips. Spring quarter.

**499—History of Biology.** Four hours.

Lectures and readings concerning the development and organization of biological sciences. The development of biological principles and theories will be emphasized. For seniors and graduate students only.

**DEPARTMENT OF CHEMISTRY**

Charles E. Lane, Chairman  
Brent      Newsom      Morreal

The Department of Chemistry participates in programs leading to the Master of Arts, Master of Science, and Master of Education degrees. For all Master's degrees a minimum of 46 graduate hours is required, 16 of which must be in courses numbered above 500.

For the Master of Arts degree the language, minor, and courses will be selected by the student in consultation with the department chairman or the major professor. The following chemistry courses will not be accepted for the Master of Arts degree: 500, 511, 520, 550, 551, 552.

For the Master of Science degree, the student may elect a minor in any field approved by the department. Included in this category are the programs in combined science and the teaching of chemical sciences. The courses will be chosen with the advice of the department chairman.

For the Master of Education degree in Secondary Education, the student electing chemistry as a subject-matter area must take a minimum of 16 hours in graduate chemistry courses.

**COURSE DESCRIPTIONS****500—Industrial Chemistry of Area.** Four hours.

A study of the chemical industry of this area, with field trips in nearby industrial plants after a preliminary review of their processes.

**511—History of Chemistry.** Four hours.

Four hours lecture per week.

Prerequisite: Chemistry 27 or 33.

A course designed for broadening the historical knowledge of teachers in the secondary school system.

**514B—Thesis.** Six hours. Credit deferred until thesis is accepted. Must be written under the guidance of a member of the department.

**520—Selected Experiments and Demonstrations for High School Chemistry Courses.** Four hours.

Experiments for class demonstration in the high school chemistry classes, including a review of principles, of safety factors, and materials and equipment.

**531—Advanced Inorganic Chemistry.** Four hours.

Four hours lecture per week.

A study of complex ions, chemical activity and the lesser known elements.

**532—Advanced Inorganic Chemistry.** Four hours.

Four hours lecture per week.

Prerequisite: Chemistry 531.

A continuation of Chemistry 531 with special interest on structure and bonding.

**535—Inorganic Preparations.** Two to four hours.

One lecture and 4 to 12 laboratory hours per week.

Prerequisite: Permission of instructor.

Hours credit depends upon the number of preparations assigned.

**541—Advanced Organic Chemistry.** Four hours.

Four hours lecture per week.

Prerequisite: Chemistry 143.

A study of reaction mechanisms and the synthesis of polyfunctional compounds.

**542—Advanced Organic Chemistry.** Four hours.

Four hours lecture per week.

Prerequisite: Chemistry 541.

A continuation of Chemistry 541 to include organometallic compounds, heterocyclic compounds, and stereoisomerism.

**545—Organic Preparations.** Two to four hours.

One lecture and 4 to 12 laboratory hours per week.

Prerequisite: Permission of instructor.

Hours credit to depend upon number of preparations assigned.

**550—Analytical Chemistry for High School Teachers.** Four hours.

Four hours lecture and laboratory per week.

Prerequisite: Chemistry 77.

A study of the principles and techniques of analytical chemistry for high school courses.

**551—Theoretical Chemistry for High School Teachers.** Four hours lecture and laboratory per week.

Prerequisite: Chemistry 27 or Chemistry 33.

A course in the fundamentals of inorganic and physical chemistry.

**552—Organic Chemistry for High School Teachers.** Four hours lecture and laboratory per week.

Prerequisite: Chemistry 132 or Chemistry 143.

A study of the advances in organic chemistry during the past ten years.

**555—Quantitative Organic Analysis. Four hours.**

One lecture and 12 laboratory hours per week.

Prerequisite: Chemistry 143.

Emphasis on laboratory techniques for the quantitative analysis of organic materials utilizing micro and semi-micro quantities.

**571—Spectroscopy.** Four hours.

Two hours lecture, four hours laboratory per week.

A study of emission and absorption spectra as applied to the determination of functional groups, control reactions, and chemical analysis.

**572—Spectroscopy.** Four hours.

Two hours lecture, four hours laboratory per week.

A continuation of Chemistry 575.

**581—Advanced Physical Chemistry.** Four hours.

Four hours lecture per week.

Prerequisite: Chemistry 183 or 483.

The more theoretical aspects of physical chemistry including thermodynamics, kinetics and elementary quantum mechanics.

**582—Advanced Physical Chemistry.** Four hours.

Four lecture hours per week.

Prerequisite: Chemistry 581.

A continuation of Chemistry 581.

**590—Special Projects.** Two to six hours.

Hours credit and project topics to be assigned by instructor.

**595—Research.** One to three hours.

To be arranged.

**596—Research.** One to three hours.

To be arranged.

**597—Research.** One to three hours.

To be arranged.

The following advanced courses numbered in the 400's in chemistry for undergraduates, taught by members of the Graduate faculty may also be taken by graduate students with special permission from the dean of the Graduate School and the chairman of the Department of Chemistry, provided the courses have not been taken for undergraduate credit.

**401—Chemical Literature.** One hour.

One lecture per week.

Prerequisite: Permission of the instructor.

The selection and use of the reference materials of chemistry: periodicals, journals, texts, patents and other sources of information.

**455—Advanced Quantitative Analysis.** Five hours.

One hour consultation and nine hours laboratory or library per week.

Prerequisites: Chemistry 77 and 143.

Offered on demand.

A course in the analysis of minerals, alloys and organic substances, with emphasis on methods taken from recent literature and applied to analytical problems.

**457—Qualitative Organic Analysis.** Five hours

Two hours lecture and six hours laboratory per week.

Prerequisites: Chemistry 77 and 143.

Emphasis on the systematic identification of pure organic chemicals and the analysis of mixtures.

**460—Biochemistry.** Four hours.

Two theory and two double laboratory periods per week.

Prerequisite: Chemistry 143.

Offered in even-numbered years.

A course designed to acquaint the student with the chemistry of living organisms. A study of the carbohydrates, proteins, lipids, their digestion and metabolism; and the accompanying vital processes, such as respiration and detoxication.

**461—Biochemistry.** Four hours.

Two theory and two double laboratory periods per week.

Prerequisite: Chemistry 160 or 460.

Continuation of Chemistry 460.

**462—Biochemistry.** Four hours.

Two theory and two double laboratory periods per week.

Prerequisite: Chemistry 161 or 461.

Continuation of Chemistry 461.

**481—Physical Chemistry.** Four hours.

Three theory periods and one double laboratory period per week.

Prerequisites: Chemistry 77 and Mathematics 176.

A mathematical treatment of the laws governing chemical and physical changes. A study of the fundamental principles of chemistry and physics in their relation to each other.

**482—Physical Chemistry.** Four hours.

Three theory periods and one double laboratory period per week.

Prerequisite: Chemistry 181 or 481.

Continuation of Chemistry 481.

**483—Physical Chemistry.** Four hours.

Three theory periods and one double laboratory period per week.

Prerequisite: Chemistry 182 or 482.

Continuation of Chemistry 482.

**DEPARTMENT OF ENGLISH AND LITERATURE**

	Charles Moorman, Chairman	
Allen	Craft	Orange
Bahr	Mayne	Stout
		Webb

The Department of English and Literature participates in programs leading to the Master of Arts, Master of Science, and Master of Education degrees. For all Master's degrees, 46 quarter hours of graduate courses are required, 16 quarter hours of which must be in courses numbered above 500.

For the Master of Arts degree, the student must take 16 graduate hours in an academic minor field approved by the department, demonstrate proficiency in a foreign language (by examination or by presentation of sufficient undergraduate credit), and write a thesis.

For the Master of Science degree, the student may elect a minor in any field, including Education, approved by the department. In order to fulfill the professional requirements for the Education minor leading to the Class AA teacher's certificate, the student should take Education 501, Education 504, 4 hours from Education 507 and 510, and a 4 hour elective in education to total 16 hours. There is no language requirement for the Master of Science degree, and the writing of a thesis is optional.

For the Master of Education degree in Secondary Education, the student electing English as a subject-matter area must take a minimum of 16 quarter hours in graduate English courses.

**COURSE DESCRIPTIONS**

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's 600's or 700's and may NOT be taken by undergraduates.

**500—Bibliography and Methods of Research in English.** Four hours.

Required of all beginning graduate students in English.

**502—Anglo-Saxon.** Four hours.

An introduction to Old English language and literature, with some attention to the development of Modern English. A substantial selection of Anglo-Saxon poetry and prose, including portions of Beowulf, will be read.

**503—The Development of Modern English.** Four hours.

**505—Seminar in American Literature.** Four hours.

**508—Seminar in Renaissance Literature.** Four hours.

**510—Seminar in Eighteenth Century Literature.** Four hours.

**511—Seminar in Nineteenth Century Literature.** Four hours.

**513—Seminar in Medieval Literature.** Four hours.

**514B—Thesis.** Six hours.

**515—Seminar in Twentieth Century Literature.** Four hours.

**580—Tutorial in English and Germanic Philology.** Four hours.

The undergraduate courses listed below, numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School provided that the courses have not been taken for undergraduate credit.

**408—The Structure of Modern English.** Four hours.

A review of English syntax and a study of functional pressures upon the conventional forms of English grammar.

**410—Colonial and Revolutionary American Literature, 1640-1820.** Four hours.

The principles of Puritanism as revealed in the writings of the Mathers and Jonathan Edwards, and the principles of American Democracy as revealed in the writings of Benjamin Franklin, Thomas Paine, Thomas Jefferson, Alexander Hamilton, and Philip Freneau.

**414—The American Literary Renaissance, 1820-1870.** Four hours.

The beginnings of a truly American literary tradition in the essays and sketches of Irving, Emerson, and Thoreau; the novels of Hawthorne, Cooper, and Melville; and the poetry of Bryant, Poe, and Whitman.

**416—The Rise of Realism in American Literature, 1870-1920.** Four hours.

The movement, under the impact of the Industrial Revolution, from a "romantic" to a "realistic" view of life, as evidenced by the novels of Twain, Howells, James, and Dreiser, and by the poetry of Emily Dickinson, Robinson, and Masters.

**418—American Literature Between the World Wars, 1920-1940.** Four hours.

Tendencies and movements in modern American literature reflected by the novels of Sinclair Lewis, Hemingway, and Faulkner; by the plays of Eugene O'Neill; and by the poetry of Frost and Eliot.

**423—Shakespeare's Comedies.** Four hours.

A critical study of a selected group of Shakespeare's comedies and tragi-comedies.

**425—Shakespeare's Tragedies.** Four hours.

A critical study of a selected group of Shakespeare's history plays and tragedies.

**427—The English Novel.** Four hours.

A study of the English novel from its beginnings to the twentieth century.

**430-431-432—Tutorial in Comparative Literature.** Twelve hours. 4-4-4.**435-436—Nineteenth Century Poetry and Prose.** Eight hours. 4-4.

Intensive study of the writing of selected major figures of the Romantic and Victorian ages.

**444—Readings from World Literature.** Four hours.

Careful and critical reading of selected masterpieces from world literature.

**445—Literary Criticism.** Four hours.

A survey of the history of literary criticism from the Greeks to the present with special emphasis upon the critical issues raised by Aristotle, Coleridge, and the New Criticism.

**447—Major Writers of the Eighteenth Century.** Four hours.

An intensive study of the form and contents of the works of Dryden, Swift, Pope, and Johnson.

**473—Analysis of Poetry.** Four hours.

A study of the techniques of poetry interpretation for the purpose of developing critical insight.

**474—The Modern European Novel.** Four hours.

A study of the more important English and continental European novelists of the twentieth century with emphasis upon analysis and critical evaluation.

**479—Development of English Drama.** Four hours.

A study of representative plays from the origin of English drama to the beginning of the modern period, excluding Shakespeare. Emphasis is placed upon the development of the drama in its various types.

**480—Modern Poetry.** Four hours.

A study of the more important American and English poets of the late nineteenth and early twentieth centuries, with emphasis upon analysis and critical evaluation.

**483—Modern Drama.** Four hours.

A study of European and American drama of the late nineteenth and early twentieth centuries.

**485—Literature of the South.** Four hours.

A historical and critical survey of Southern Literature from its beginning to the present.

**486—Seventeenth Century Prose and Poetry.** Four hours.

An examination of representative selections from the major English writers, excluding Milton, from Donne to Dryden.

**487—Milton.** Four hours.

A careful study of the principal writings of Milton, including Paradise Lost, some of the minor poems, and selections from the prose.

**488—Chaucer.** Four hours.

An introduction to the language and art of Chaucer, with particular attention to the Canterbury Tales and Troilus and Criseyde.

**490—Literature and the Arts.** Four hours.

Prerequisite: At least one English course numbered 100 or above in a previous quarter, or consent of the instructor.

The applications of general aesthetics, with particular emphasis on the interrelation of literature and the other arts: music, painting, sculpture, architecture, drama.

## **DEPARTMENT OF FOREIGN LANGUAGES**

William G. Burks, Chairman  
Johnson Reindorp Weiersheuser

The Department of Foreign Languages offers a minor in French on the Master's level which may consist of sixteen hours chosen from the courses listed below. One must have the equivalent of an undergraduate minor in French before enrolling in such advanced courses; and for courses listed above 500 one must have completed eight hours numbered over 400.

570, 571, 572—French Literature from the Eleventh Century to the Revolution. Twelve hours. 4-4-4.

580—French Literature Since World War II. Four hours.

The following advanced courses in French for undergraduates taught by members of the graduate faculty, may also be taken by graduate students with special permission from the dean of the Graduate School and the head of the Department of Foreign Languages.

451—French Romanticism. Four hours.

Prerequisite: French 147, Introduction to French Literature.

Representative writers of the French Romantic movement; emphasis on essential differences between Romanticism and Classicism.

452—French Realism and Naturalism. Four hours.

Prerequisite: French 147.

Significant characteristics of Realism and Naturalism; emphasis on outstanding French works of the latter half of the nineteenth century.

453—French Literature of the Twentieth Century. Four hours.

Prerequisite: French 147.

Representative works from authors of present century; discussion in French language.

## **DEPARTMENT OF GEOGRAPHY**

Arthell Kelley, Chairman  
Collier

500—Seminar in Geography. Four hours.

## Research in the field of regional geography.

571—**Seminar in Geography.** Four hours.

## Research in the field of political geography.

The following advanced courses in geography for undergraduates taught by members of the graduate faculty, may also be taken by graduate students with special permission from the dean of the Graduate School and the head of the Department of Geography.

410—**Anglo America.** Four hours.

445—**Advanced Economic and Commercial Geography.** Four hours.

Includes a short survey of geographic principles governing primary, secondary, and tertiary production.

460—**Geographical Influences in American History.** Four hours.

480—**Climatology.** Four hours.

A detailed study of types of world climates. Reference made to distribution of patterns of vegetation, soil, and population resulting from climates.

484—**Urban Geography.** Four hours.

494a,b—**Tour of Geographical Places. One and one-half hours each.**

Prerequisite: Consent of the instructor. May be taken only once for credit toward a Master's degree.

A three or four week conducted tour of places of geographical interest varied from year to year. Conducted by a regular faculty member with prepared lectures and study materials.

## DEPARTMENT OF GEOLOGY

Olin T. Brown, Chairman  
B. Brown Devries Huff

The following advanced courses in geology for undergraduates, taught by members of the graduate faculty, may also be taken by graduate students with special permission from the dean of the Graduate School and chairman of the department provided the courses have not been taken for undergraduate credit.

405—**Invertebrate Paleontology.** Four hours.

Two lectures and four hours laboratory each week.

Prerequisites: Geology 46 or 50, 1 year of Biology or Biology 102.

A study of invertebrate fossils, devoted to the Protozoa through Echinodermata, with attention to the history of the science, rules of nomenclature, and environments of lower animals.

406—**Invertebrate Paleontology.** Four hours.

Two lectures and four hours laboratory each week.

Prerequisite: Geology 105.

A continuation of the study of invertebrate fossils, beginning with the Bryozoa and extending through Arthropoda.

419—**Sedimentation.** Four hours.

Two lectures and four hours laboratory each week.

Prerequisites: Geology 44, 46 or 50, and 60.

A concentrated study of weathering, transportation, deposition, and lithification of sedimentary materials. Regional and local sediments investigated, classified, and mechanically treated with laboratory apparatus. Microscopic analysis of selected samples.

437—**Stratigraphy of North America I.** Four hours.

Four hours lecture each week.

Prerequisites: Credit or enrollment in Geology 106 and 130.

An analysis of stratigraphic principles. Emphasis on correlation, distribution of rock units, sedimentation, structural and stratigraphic history, and occurrence of petroleum-bearing strata.

**438—Stratigraphy of North America II.** Four hours.

Four hours lecture each week.

Prerequisite: Geology 137.

A study of stratigraphy, involving rocks ranging from the Precambrian through the Permian. Attention to the importance of stratigraphy to petroleum accumulation.

**439—Stratigraphy of North America III.** Four hours.

Four hours lecture each week.

Prerequisite: Geology 138.

A continuation of the study of stratigraphy, involving rocks ranging from the Triassic through the pleistocene. Emphasis on petroleum possibilities in Mesozoic and Cenozoic rocks.

**454—Problems in Marine Sedimentation.** Four and one-half to nine hours, or one and one-half quarter hours each week.

Prerequisite: Permission of the department chairman.

Sometimes taught at Gulf Cost Research Laboratory.

A study of present marine sedimentation along the Gulf Coast. Mechanical and microscopic analysis of the collected samples.

**461—Micropetrography.** Four hours.

Two hours lecture and two 2-hour labs.

Undergraduate prerequisite: Geology 100 and 111, Physics 150.

Systematic study of rocks by means of polarizing microscope.

**DEPARTMENT OF HISTORY AND GOVERNMENT**

Leon A. Wilber, Chairman

Brent

Davis

DeRosier

Fike

Gonzales

The Department of History and Government participates in programs leading to the Master of Arts, Master of Science, and Master of Education degrees. For all Master's degrees, 46 graduate hours are required, 16 of which must be in courses numbered above 500.

For the Master of Arts degree, the student must take 16 graduate hours in an academic minor field approved by the department, demonstrate proficiency in a foreign language (by examination or by presentation of sufficient undergraduate credit), and write a thesis. History 500 is required and should be taken during the first quarter of graduate work. Each student is expected to take several seminars.

For the Master of Science degree, the student may elect a minor in any field, including Education, approved by the department. In order to fulfill the professional requirements for the Education minor leading to the Class AA teacher's certificate, the student should take Education 501, 504, 4 hours from Education 507 and 510, and a four hour elective in education to total 16 hours. A student who seeks the Class AA certificate must have the equivalent of a Class A teacher's license before being approved for the Master's degree. There is no language requirement for the Master of Science degree, and the writing of a thesis is optional. Each student is expected to take several seminars.

For the Master of Education degree in Secondary Education, the student electing history and government as a subject-matter area must take a minimum of 16 hours in graduate history and government courses.

Candidates for the master's degree with a major in this department are required to take a comprehensive written and oral examination.

For purposes of the comprehensive examination, history is divided into the following six fields: Ancient and Medieval, Early Modern European (Renaissance to 1815), Modern European (1815 to the present), English, United States History to 1877, and United States History since 1877. A student who writes a thesis will be examined on the field of his thesis and three others which the student selects. A student who does not write a thesis will be examined on four of the six fields.

The comprehensive examination is not given in the summer quarter. A person who completes his work in the summer must take the examination in the spring or wait until the following fall. A student who completes his thesis in the summer will be given the oral examination on the thesis during the summer, but he must take it at a time when his major professor is teaching.

## COURSE DESCRIPTIONS

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's 600's or 700's and may NOT be taken by undergraduates.

### HISTORY

**500—Historiography.** Four hours.

Required for the degree of Master of Arts in History and Government. A study of the writing of history, emphasizing methods of research and including a survey of the major historians.

**514B—Thesis.** Six hours.

Preparation of a master's thesis, with the help of a member of the graduate faculty. Credit withheld until the thesis is completed.

**535a,b,c—Special Problems.** One to three hours.

A problem study to be approved by the department chairman, to develop knowledge and facility in a field of interest for the student. The student will prepare a scholarly paper under the supervision of a graduate professor.

**548—Biographical History of the United States.** Four hours.

A seminar study of the lives of prominent persons in United States history.

**550—United States Foreign Relations.** Four hours.

A survey of current United States foreign policies and problems, including a survey of the State Department organization.

**552—Seminar in Southern History.** Four hours.

A research course, largely individualized.

**562—European Diplomacy, 1870-1919.** Four hours.

An intensive study of the strained relations which led to World War I, and of the immediate diplomatic aftermath of the war. Includes social, economic, and political background of the diplomacy.

**570—Seminar in American History, 1607-1877.** Four hours.

Reading, research, and reports on selected topics of the colonial, Federal, middle, Civil War, and Reconstruction periods. Emphasis will be placed on the Constitution and the emergence of a new nation.

**571—Seminar in America History, 1877.** Four hours.

Reading, research, and reports on selected topics of the post Civil War period and the twentieth century. Emphasis will be placed on Populism, Progressivism, and the New Deal.

**575—Seminar in Recent European and Asiatic History.** Four hours.

Individual research in European and Asiatic developments since 1914.

**577—Seminar in American-Soviet Relations.** Four hours.

An intensive study of American-Soviet diplomatic relations with emphasis on the period 1933 to the present. There will be individual research topics.

The following advanced courses in history for undergraduates, taught by members of the graduate faculty, may also be taken by graduate students with special permission from the dean of the Graduate School and the head of the department concerned, provided the courses have not been taken for undergraduate credit.

**426—Latin-American History.** Four hours.

A study of the political, economic, and cultural development of the Latin-American countries from the colonial period to 1830.

**428—American Foreign Relations to 1898.** Four hours.

A survey of U. S. foreign policy from the Revolution to 1898. Emphasis on the Monroe Doctrine and problems of expansion.

**429—American Foreign Relations Since 1898.** Four hours.

A continuation of History 128. Emphasis on imperialism, the World War, and U. S. relations with international organizations.

**432—The Colonial Period in American History, 1492-1763.** Four hours.

A study of the settlement and growth of the British, French, and Spanish colonies in North America until the end of the French and Indian War. Major emphasis will be placed on the political and economic development of these colonies.

**433—The Emergence of a New Nation, 1763-1800.** Four hours.

A study of the origins and course of the American Revolution, the successes and failures of the Confederation Government, the Constitutional Convention of 1787, and the Federalist era with special attention to Jefferson and Hamilton.

**434—The Age of Jefferson and Jackson, 1801-1848.** Four hours.

A study of the growth of nationalism and democracy in the United States during this period.

**438—History of the Old South.** Four hours.

A reading, research, and discussion course on the ante-bellum South. Special attention is given to slavery, plantation life, and manners and customs.

**440—Civil War and Reconstruction.** Four hours.

An intensive study of the period from 1861 to 1877.

**441—History of the New South.** Four hours.

A study of the South since 1877. Covers social, economic, cultural, and political developments. Special attention is given to Bourbon rule, the Agrarian revolt and developments during the twentieth century: political, industrial, and educational.

**442—Contemporary American History.** Four hours.

American history since 1920. Social, economic, and cultural development, and political events.

**443—Foundations of Modern America, 1877-1920.** Four hours.

A study of the passing of the frontier, the rise of new industry and the city, the new immigration, the Populist and Progressive movements, and the increasing participation of the United States in Asian, Latin-American and European affairs.

**451—American Intellectual and Social Development to 1856.** Four hours.

A study of the intellectual and social forces that have influenced American thought and action. Emphasis is put on such topics as the influence of racial stocks, and development of religion, literature, science, art, architecture, music, recreation, and political and economic thought.

**452—American Intellectual and Social Development Since 1856.** Four hours.

A continuation of History 451.

**453—The West in American History.** Four hours.

An advanced study of characteristics of the frontier, and of the influence of the frontier on American life and culture.

**456—Survey of Western Intellectual Development.** Four hours.

Designed not to duplicate Philosophy 104 and 106.

A survey of western intellectual development outside the United States, from 1400 to the present. Includes humanism, growth of science, mercantilism, the Age of Reason, romanticism, liberalism, socialism, and nationalism.

**460—Greek Culture.** Four hours.

A study of the literature, art, politics, religion, and philosophy of the ancient Greeks. Emphasis on Age of Pericles.

**462—Roman Culture.** Four hours.

A study of the Roman Republic and the early Roman Empire, covering literature, religion, art, philosophy, jurisprudence, administration and political institutions — especially the last three.

**464—The Middle Ages.** Four hours.

An advanced course in European history from the end of the western Roman Empire to the beginning of the Renaissance.

**465—Renaissance.** Four hours.

An interpretative study of causes and main currents of the Renaissance, including humanism, literature, and the arts.

**466—Reformation.** Four hours.

A thorough study of the Reformation and Counter-Reformation, including the effects to the present time.

**467—Age of Absolutism.** Four hours.

A survey of the principal political, economic, social, and intellectual developments in Europe from 1648 to 1789.

**468—Age of Nationalism and Liberalism, 1815-1870.** Four hours.

An advanced study of this age of developing nationalism with special emphasis on political, social and economic philosophy.

**469—Age of Imperialism, 1870-1918.** Four hours.

A survey of the diplomatic and political conditions that led to the internal rivalry which resulted in the first World War. The War itself will be discussed in some detail.

**470—The Versailles Era, (1919-1939).** Four hours.

The creation, deterioration, and destruction of the European system as set up in the Treaty of Versailles. A survey of European developments from 1919 to 1939.

**471—History of Russia to 1917.** Four hours.

Political, economic, and cultural history of imperial Russia from the Kievan period to the 1917 Revolution.

**472—The Far East Since 1853.** Four hours.

A historical study of Siberia, China, Japan, southeastern Asia, and the Pacific Islands. Diplomacy, cultural and economic developments, and nationalism.

**473—French Revolution and Napoleon, (1789-1815).** Four hours.

A study of the forces and developments of the Revolution in detail with emphasis upon those forces that affected Europe and the Western World.

**474—Early English History.** Four hours.

Recommended for English majors.

A survey of ancient and medieval England to 1603, with emphasis on customs, literature, and institutions.

**475—Modern English History.** Four hours.

A study of English history beginning with the Stuarts. Emphasis is put on development of political institutions, the Industrial Revolution, and imperialism.

**476—History of Russia Since 1917.** Four hours.

A study of Soviet history and institutions from 1917 to the present, including Soviet foreign policy and objectives.

**479—Constitutional History of the United States.** Four hours.

May be elected as government for a major or minor.

A historical study of the development of American constitutional law, largely based on cases.

**486—World War II to the Present.** Four hours.

Europe and the world from 1939 to the present.

**490—English Constitutional History.** Four hours.

May be elected as government for a major or minor.

A study of the development of English political institutions from Anglo-Saxon times to the establishment of the British Commonwealth of Nations.

**492a,b—Mississippi Materials.** Two hours each.

May be taken twice (as "a" and "b"), with permission of the instructor.

## GOVERNMENT

**535a,b,c—Special Problems. One to three hours.**

A problem study to be approved by the department chairman, to develop knowledge and facility in a field of interest for the student. The student will prepare a scholarly paper under the supervision of a graduate professor.

**554—Seminar in Problems in Mississippi Government.** Four hours.

An individual study of current governmental problems before the state at all levels.

**714—Mississippi State and Local Government.** Four hours.

Same as Education 714.

A detailed study of the state, county, and municipal governments of Mississippi.

The following advanced courses in government for undergraduates, taught by members of the graduate faculty may also be taken by graduate students with special permission from the dean of the Graduate School and the head of the Department of History and Government provided the courses have not been taken for undergraduate credit.

**400—County Government.** Four hours.

A study of local rural government, with some emphasis on Mississippi.

**406—American Political Parties and Pressure Groups.** Four hours.

A survey of party structures, problems, and methods of political leaders, and present pressure groups and their methods.

**430—State Government.** Four hours.

A study of the organization and problems of state governments, with some emphasis on Mississippi.

**435—American Municipal Government.** Four hours.

A study of the principal systems of municipal government in the United States, with emphasis on Mississippi.

**450—Comparative Government.** Four hours.

A survey of the principal types of Government abroad, especially British, French, and Russian.

**457—International Politics.** Four hours.

A study of the methods and forces involved in international political struggles.

**458—International Organization.** Four hours.

A study of the principal types of international organization, and examples of the same such as the United Nations and the Organization of American States.

**460—Public Administration.** Four hours.

An introductory study including administrative organization, personnel management, and fiscal management.

**485—International Law.** Four hours.

A sampling of the field, based largely on cases.

## **DEPARTMENT OF MATHEMATICS**

B. O. Van Hook, Chairman  
Felder            Nicholson            Sanders            Smith

The Department of Mathematics participates in programs leading to the Master of Arts, Master of Science, and Master of Education degrees.

The candidate for a Master of Arts degree with a major in Mathematics is expected to satisfy the following requirements:

1. 46 graduate hours, at least 16 being in mathematics courses numbered above 500. (Particularly, two courses in theory of functions and one in modern algebra are required.)
2. 16 graduate hours in a related minor field. (The minor field must be approved by the major professor and the Chairman of the Department of Mathematics.)

3. Foreign language examination—French, German or Russian. (The examination will consist in part of reading mathematical literature in the chosen language.)
4. Comprehensive examination—an oral examination on the major and minor subjects.
5. Thesis.
6. The Mathematics Seminar. (Each candidate is expected to attend one hour per week.)

### COURSE DESCRIPTIONS

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's or 700's and may NOT be taken by undergraduates.

**551—Advanced Mathematics for Engineers and Physicists I.** Four hours.

Prerequisite: Mathematics 185.

Infinite series of functions with particular emphasis on Fourier series; matrices and determinants with applications in linear differential equations, integral transformations, applications of these topics in wave theory, heat flow, etc.

**552—Advanced Mathematics for Engineers and Physicists II.** Four hours.

Prerequisite: Mathematics 551.

A continuation of 551.

**553—Advanced Mathematics for Engineers and Physicists III.** Four hours.

Prerequisite: Mathematics 552.

A continuation of 552.

**561—Foundations of Geometry.** Four hours.

This course, principally a summer institute course, will be a treatment concerned with points, lines, planes, and spaces as in high school geometry.

The fundamental concepts and relations will be developed on the basis of a set of axioms in a rigorous way. Selected topics include Euclidean geometry, synthetic and analytic projective geometry, non-Euclidean and metric protective geometries.

**562—Introduction to the Foundations of Mathematics.** Four hours.

This course, principally a summer institute course, will treat selected topics; calculus of sets, Bernsteins Theorem, arithmetic of cardinal and ordinal numbers, partially ordered sets, the axiom of choice and its equivalents.

**563—Introduction to Modern Algebra.** Four hours.

This is principally a summer institute course. Particular emphasis will be given to the investigation of the structures of arithmetic and algebra. Some specific objectives are: the adoption of an abstract viewpoint of real numbers as logical entities, the selection of an extensive set of axioms for characterizing the real numbers, the development of a complete well-ordered field theory of real numbers at the elementary level, and the development of basic concepts such as equivalence relations, equivalence classes, isomorphisms, etc.

**564—Statistics and Probability.** Four hours.

A modern course on probability and statistics based upon the elementary theory of sets. Includes sets, permutations and combinations, binomial theorem, mathematical induction, graphic methods and basic statistical concepts.

**565—Fundamentals of Mathematical Analysis.** Four hours.

An intensive review and formulation of fundamental concepts of analytic geometry and calculus with particular emphasis on understanding, rather than formal techniques.

**570a,b,c—Mathematics Seminar.** One hour each.

Prerequisite: Permission of instructor.

**578—Geometry II.** Four hours.

Prerequisite: Mathematics 178 or 478.

An introduction to higher geometry—homogeneous coordinates, cross ratio, projectivities, invariance, duality. (a renumbering of Math. 602)

**581—Modern Algebra II.** Four hours.

Prerequisite: Mathematics 181 or 481.

A continuation of 181 and 481.

**584—Foundations of Mathematics II.** Four hours.

Prerequisite: Mathematics 184 or 484.

The continuum hypothesis and equivalents; the axiom of choice and equivalents.

**585—Differential Equations II.** Four hours.

Prerequisite: Mathematics 185 or 485.

A continuation of 185 and 485.

**587—Advanced Calculus II.** Four hours.

Prerequisite: Mathematics 187 or 487.

A continuation of 187 and 487.

**590—Theory of Functions of a Complex Variable II.** Four hours.

Prerequisite: Mathematics 190 or 490.

A continuation of 190 and 490.

**592—Theory of Functions of a Real Variable II.** Four hours.

Prerequisite: Mathematics 192 or 492.

Linear space theory.

**593—General Topology II.** Four hours.

Prerequisite: Mathematics 193 or 493.

Metrization Theorems, paracompactness and related topics.

**594—Algebraic Topology II.** Four hours.

Prerequisite: Mathematics 194 or 494.

Introduction to Lie groups.

**608—Applications of Mathematics to Navigation and Astronomy.** Four hours.

Prerequisite: Mathematics 185.

**611—Rings of Continuous Functions.** Four hours.

Prerequisite: Mathematics 192 or 492 and 193 or 493.

The theory of ideals in the ring of continuous functions on a completely regular space.

**678—Geometry III.** Four hours.

Prerequisite: Mathematics 185.

An introduction to differential geometry—curves, surfaces, Frenet formulae, fundamental forms, geodesics, curvature.

**687—Advanced Calculus III.** Four hours.

Prerequisite: Mathematics 587.

A continuation of 587.

**690—Theory of Functions of a Complex Variable III.** Four hours.

Prerequisite: Mathematics 590.

A continuation of 590.

**692—Theory of Functions of a Real Variable III.** Four hours.

Prerequisite: Mathematics 592.

Harmonic Analysis.

**693—General Topology III.** Four hours.

Prerequisite: 593.

Theory of function spaces.

**700a,b,c—Mathematics Seminar.** One hour each.

Prerequisite: Permission of Instructor.

The courses listed below numbered in the 400's may be taken also by graduate students with special permission from the dean of the Graduate School.

**420—Elementary Statistics.** Four hours.

Prerequisite: Mathematics 21 or 31.

A study of statistical series, frequency distributions and their analyses, measures of central tendencies, dispersion and skewness, trend, seasonal and cyclical variation; linear correlation, the normal curve, index numbers, graphic presentation of data, statistical tables, collection of data and theory of sampling.

**438—The History of Mathematics.** Four hours.

Familiarity with mathematical terminology is necessary. A study of the development of mathematical concepts.

**478—Geometry I.** Four hours.

Prerequisite: Mathematics 75.

Geometry of the triangle and the circle beyond ordinary Euclidean geometry.

**479—Matrix Theory.** Four hours.

Prerequisite: Mathematics 32, 75.

Matrix algebra, linear transformations. Cayley-Hamilton Theorem, similarity, applications.

**480—Theory of Equations.** Four hours.

Prerequisite: Mathematics 175.

**481—Introduction to Modern Algebra I.** Four hours.

Prerequisite: Mathematics 180.

Theory of groups, rings, ideals, integral domains, and fields with applications.

**483—Vector Analysis.** Four hours.

Prerequisite: Permission of instructor.

Vector algebra and vector calculus, with applications to physics, mechanics, and geometry.

**484—Foundations of Mathematics I.** Four hours.

Calculus of sets, equivalence of sets, arithmetic of cardinal and ordinal numbers.

**485—Differential Equations I.** Four hours.

Prerequisite: Mathematics 177.

Simple types of ordinary differential equations of the first and second order, linear equations with constant coefficients, and applications to geometry and physics.

**487—Advanced Calculus I.** Four hours.

Prerequisite: Mathematics 177.

Infinite series, continuity, limits, Gamma and Beta functions, and vector analysis. Fourier series.

**488—Number Theory.** Four hours.

Prerequisite: Mathematics 180 (may be taken concurrently).

An introduction to the theory of numbers—integers, aliquot parts, Diophantine equations, linear congruences, the Chinese remainder theorem, continued fractions.

**490—Theory of Functions of a Complex Variable I..** Four hours.

Prerequisite: Permission of instructor.

Complex numbers, analytical functions, infinite series, Cauchy's integral theorem, analytic continuation, Riemann surfaces, conformal mapping.

**492—Theory of Functions of a Real Variable I.** Four hours.

Prerequisite: Permission of instructor.

Real number system, point set theory, Lebesgue integration, Stieltjes integrals.

**493—General Topology I.** Four hours.

Prerequisite: Permission of instructor.

Topological spaces, separation properties, compact sets, connected sets, product spaces.

**494—Algebraic Topology I.** Four hours.

Prerequisite: Permission of instructor.

Introduction to cohomology.

**496—Metric Spaces.** Four hours.

Prerequisites: Mathematics 193 or 493.

Separable metric spaces, embedding in separable Hilbert Space, isolated theorems on metric spaces, including Lavrentiev's Theorem.

**DEPARTMENT OF PHYSICS**

O. K. Hudson, Chairman  
Moore

The following advanced courses in physics for undergraduates, taught by members of the graduate faculty, may also be taken by graduate students with special permission from the dean of the Graduate School and the head of the Department of Physics.

**464—Heat and Thermodynamics.** Four hours.

Four theory periods a week.

Prerequisites: General physics and Mathematics 176.

A study of temperature, thermodynamic systems, first law of thermodynamics, heat transfer, ideal gases, second law of thermodynamics reversibility and irreversibility, and entropy.

**465—Heat and Thermodynamics.** Four hours.

Four theory periods a week.

Prerequisite: Physics 164 or 464.

A continuation of Physics 164 or 464, in which the following topics are considered: Properties of pure substance, applications of thermodynamics to special systems, change of phase, physics of low temperature, chemical thermodynamics, ideal gas reactions, and heterogeneous systems.

**484—Mechanics.** Four hours,

Four theory periods a week.

Prerequisite: Mathematics 183 and 185.

An intermediate course in mechanics in which the following topics are studied: Rectilinear kinematics, vector quantities, plane kinematics, particle dynamics, centers of mass, properties of matter, wave motion, projectile motion, constrained motion, circular pendulum, cycloidal pendulum, and motion in a resisting medium.

**485—Mechanics.** Four hours.

Four theory periods a week.

Prerequisite: Physics 184 or 484.

A continuation of Physics 184 or 484 in which the following topics are considered: Moments of inertia, plane motion of a rigid body, flexure and torsion, kinematics of plane motion of rigid bodies, flexible chain and cables, the general motion of rigid bodies, and La Grange's equation.

**486—Classical Mechanics.** Three hours.

Prerequisite: Physics 185.

Introduction to Mechanics of Continuous Media, Techniques of the Calculus of Variations and Hamilton's Principle.

**487—Introduction to Modern Physics.** Four hours.

Three lecture periods and one three-hour laboratory period per week.

Prerequisites: Physics 150; Mathematics 176.

Electromagnetic waves, Electron Emission, X-Radiation, Relativity, Quantum Theory, Spectroscopy, Wave Mechanics, Atomic and Nuclear Structure, and Cosmic Rays.

**488—Modern Physics.** Four hours.

Three lecture periods and one three-hour laboratory period per week.

Prerequisite: Physics 187 or 487.

This course is a continuation of Physics 187 or 487.

489—**Modern Physics.** Four hours.

Three lecture periods and one three-hour laboratory period per week.

Prerequisite: Physics 188 or 488.

This course is a continuation of Physics 188 or 488.

### DEPARTMENT OF SOCIOLOGY

John N. Burrus, Chairman  
Allen South

The 400 and 500 level offerings in the Sociology Department total 36 quarter hours. At present, the department offers a minor only. Sociology may be elected as the minor field by students majoring in most academic areas of the college. Students majoring in other academic fields and desiring to minor in sociology should consult with the departmental chairman.

General regulations governing admission to the graduate school, requirements of the School of Arts and Sciences, and requirements for admission to candidacy for degree are to be found elsewhere in this catalogue.

The major professor and departmental chairman will work out a program of study with, and for, each student electing to do graduate work in sociology.

If the student is uncertain as to whether he has satisfied undergraduate or course prerequisites for any particular course, he should consult the course instructor for clarification.

### COURSE DESCRIPTIONS

507—**Seminar in American Community Life.** Four hours.

A study of American community life and its social and cultural patterns. Emphasis is placed on structure and importance of the community in American social life and on significant changes in community functions within recent years.

416—**Rural Social Problems:** Four hours.

An advanced course in Rural Sociology. Certain areas of rural life and social change are selected for detailed study. The effects of urbanization, mechanization, and migration are examined.

429—**Juvenile Delinquency.** Four hours.

A study of causes and the nature of juvenile delinquency, the development of the juvenile court and probation and other rehabilitative programs. Recommended for students, teachers, social workers, and others with a serious interest in the study of delinquency.

430—**Population.** Four hours.

A course in population analysis. Examines differentials and trends in birth rates, migration, sex ratios, and mortality rates. Instruction is given in how to compute and interpret elementary vital data. Special attention is given to Mississippi population data.

470—**Advanced General Sociology.** Four hours.

An advanced course in general sociology given expanded treatment to the basic sociology concepts and subject-matter areas. Designed for departmental majors of advanced standing, but open to graduate students. (Not to be used as prerequisite for other advanced courses without approval of the Chairman of the Department.)

**475—Social Institutions.** Four hours.

A detailed study of major American social institutions; their functions, interrelationships, and significant trends. Emphasis on theory of social structure.

**476—Educational Sociology.** Four hours.

A comprehensive study of the educational institution; an analysis of the school as a social institution; and the relationship of the educational institution to the community and general society.

**481—History of Social Thought.** Four hours.

An introduction to social theory, with a historical approach. The development of western ideas and values are traced. Includes applications to modern society and times.

**482—Methods of Social Research.** Four hours.

A survey of elementary research techniques, illustrated by demonstrations and projects.

**DEPARTMENT OF SPEECH ARTS**

George	Gilbert F. Hartwig, Chairman	Grange	Peters	Simonson	Treser
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The Department of Speech Arts participates in programs leading to the Master of Arts, Master of Science, and Master of Education degrees. For all master's degree's, 46 graduate hours are required, 16 of which must be in courses numbered above 500.

For the Master of Arts degree, the student must take 16 graduate hours in an academic minor field approved by the department, demonstrate proficiency in a foreign language (by examination or by presentation of sufficient undergraduate credit), and write a thesis.

For the Master of Science degree, the student may elect a minor in any field including Education, approved by the department. In order to fulfill the professional requirements for the Education minor leading to the Class AA teacher's certificate, the student should take Education 501, 504, 4 hours from Education 507 and 510, and a 4 hour elective in education to total 16 hours. There is no language requirement for the Master of Science degree. A thesis is required.

**MAJOR IN COMMUNICATION**

This program is designed for the secondary school, junior college, or college teacher who plans to instruct in communication, English, and/or speech. A total of 56 quarter hours is required to complete the degree. All students working for a Master's degree with communication as a major field must write a thesis. Six hours credit for thesis writing ((3) hours in speech and (3) hours in English) will be given, and writing will be supervised jointly by the English and speech departments.

**Speech Requirements:** 20 hours.

20 hours of speech courses listed in this bulletin to be selected with the consent of the student's major professor.

**English Requirements:** 20 hours.

Required: 4 hours.

**ENGLISH 503—The Development of Modern English.** Four hours.

Electives: 16 hours of English courses listed in this bulletin to be selected with the consent of the student's major professor. If the student has not had Education 151H, he must take it for undergraduate credit.

## COURSE DESCRIPTIONS

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's or 700's and may NOT be taken by undergraduates.

### SPEECH ARTS

NOTE: If the candidate has not had sufficient background, he or she might be required to audit certain undergraduate courses.

**600—Materials and Methods of Research.** Two hours.

**610—Experimental Methodology.** Four hours

**500—Reading in the Field.** Two hours.

**501—Seminar in Oral Interpretation.** Two hours.

**502—Seminar in Audience Analysis.** Two hours.

**503—Seminar in Radio and TV Programming.** Two hours.

**504—Seminar in Radio and TV Drama.** Two hours.

**505—Seminar in Radio Station Policy.** Two hours.

**510—Seminar in Criticism of Contemporary Public Address.** Two hours.

**514B—Thesis.** Six hours. (Credit deferred until thesis is completed).

**519—Seminar in Persuasion.** Two hours.

**520—Seminar in Persuasive Campaign.** Two hours.

Prerequisite: Speech 208 or 119.

Original and special projects using modern techniques for analyzing campaigns.

**526—Seminar in Theatre Production.** Four hours.

**527—Graduate Directing.** Four hours.

Prerequisite: Consent of instructor.

Conference and consultations in advanced techniques in play directing culminating in the production of a full-length play by the student.

**528—Graduate Technical Directing.** Four hours.

Prerequisite: Consent of instructor.

Conference and consultation in all aspects of technical theatre culminating in the production of a full-length play by the student.

**539—Advanced Clinical Problems and Practice in Speech.** Four hours.

Prerequisite: Consent of instructor.

Intensive study and practice in diagnosis and therapy in speech.

**540—Advanced Clinical Problems and Practice in Hearing.** Four hours.

Prerequisite: Consent of instructor.

Intensive study and practice in diagnosis and therapy in hearing.

**541—Advanced Experimental Phonetics.** Four hours.

Prerequisite: Consent of instructor.

Study and experimentation in psychological and physical parameters of speech.

**542—Psychoacoustics.** Four hours.

Prerequisite: Consent of instructor.

The application of psycho-physical techniques to speech and hearing.

**543—The Design of Experiments in Speech and Hearing.** Four hours.

Prerequisite: Consent of instructor.

Study and application of experimental designs to speech and hearing problems.

**567—Seminar in Discussion.** Two hours.

**590—Advanced Psychology of Speech.** Four hours.

This course attempts to acquaint the student with research and research problems in the following areas: the relationship between speech and thought; the function of the audience in attention, interest impressiveness, and motivation; the theories on stage fright; emotion and speech, etc.

The following advanced courses in speech arts for undergraduates, taught by members of the graduate faculty, may also be taken by graduate students with special permission from the dean of the Graduate School and chairman of the Speech Arts Department provided the courses have not been taken for undergraduate credit.

**400—Radio and TV Law.** Four hours.

Consent of Instructor.

**401—Radio Station Management.** Four hours.

Prerequisite: 12 hours of Radio above Speech 53 and consent of instructor.

**404—Acting.** Four hours.

Training is given in movement, pantomime, and characterization. Students develop not only techniques of good acting for themselves, but also study how to teach others what they have learned.

**406a—History of Classical Theatre.** Two hours.

Students study theatre history from its beginning through the Roman era.

**406b—History of Early European Theatre.** Two hours.

Students study theatre history from its medieval phases through the Restoration period.

**406c—History of Modern European Theatre.** Two hours.

Students study theatre history from 1750 to the present.

**407—Ethos.** Two hours.

Prerequisite: Speech 115.

The effect of the projected manifest personality of the speaker on the audience; the factors that determine audience reaction to the individual speaker.

**408—Analysis of Persuasive Campaigns.** Four hours.

Prerequisite: Speech 115.

A study of the rhetoric of mass movements, political campaigns, and other efforts to mold public opinion over time. (To be taught during election years; national and state.)

**409—Debate Coaching Laboratory.** One hour.

Prerequisite: Speech 176-476.

Students will direct beginning debaters under close faculty supervision.

**410—Experimental Phonetics.** Four hours.

A study of laboratory investigations of problems of phonetics as they are related to functional speech.

**411—Speech Reading.** Four hours.

Study and applications of major theories of speech reading.

**412—The Preschool Deaf Child.** Four hours.

Study of the problem of adjustment and communication of the deaf child.

**413—Audiological Instrumentation.** Four hours.

Study of instrumentation and techniques of measurement of hearing.

**414—Education of the Deaf.** Four hours.

Study of the techniques in education of the deaf.

**415—Persuasion.** Four hours.

Students study recent research in the field of persuasion and attempt to apply the results of such research in speaking situations. Attention is given to findings in the fields of advertising, social, psychology, public opinion and rhetoric.

**416—Advanced Oral Interpretation.** Four hours.

Attention is given here to the cutting of plays, novels, and longer poems for oral presentation.

**419—Advanced Persuasion.** Four hours.

Detailed analysis of selected topics in the field of persuasion. Current persuasion efforts will be examined.

**420—Scene Design.** Four hours.

Prerequisite: Speech 122a, b, or c, or consent of instructor.

Elements of stage design. Play analysis in terms of visualization and style.

**421—Stage Lighting.** Four hours.

Prerequisite: Consent of instructor.

Theory and application of general and special lighting, color instrumentation and control.

**426—Advanced Theatre Production.** Four hours.

Students consider the problems of producing plays requiring more than is possible in general production courses. Greek, Elizabethan, and Restoration drama are given particular consideration.

**430—Voice Science.** Four hours.

This course concerns the physiology of the speech and hearing mechanism.

**431—Introduction to Speech Correction.** Four hours.

Consideration is given to the need for speech correction. The various speech disorders are surveyed under the headings of physiological, psychological imitative and perseverative.

**432—Principles of Speech Correction.** Four hours.

Advanced therapy for the several speech disorders is presented. Students observe therapy as administered in the college clinic and also visit centers of therapy in surrounding regions.

**433—Introduction to Audiology.** Five hours.

The problem of meeting the needs of the hard-of-hearing child whose speech is defective is explored. Students learn to operate the audiometer and to interpret the various types of audiograms.

**434—Auditory Training.** Two hours.

Advanced therapy methods to assist teachers in improving the speech and hearing of children with varying degrees of hearing loss is presented.

**435—Psychology of Speech.** Four hours.

Study of problems of speech with particular reference to information theory, speech intelligibility, and experimental studies in voice communication.

**436—Problems in Hearing.** One to six hours.

Prerequisite: Consent of instructor.

Individual study and research problems.

**451—Directing.** Four hours.

Students assume partial responsibility for directing a college production. Special projects are completed.

**452—Phonetics.** Four hours.

Attention is given to voice problems and deviations from acceptable diction. The phonetic approach is stressed. Students become familiar with the International Phonetic Alphabet, the several guides to pronunciation of the major English dictionaries, and with variation dialects and regionalisms.

**453—Advanced Acting.** Two hours.

Theories of acting. Methods employed.

**454—Playwrighting.** Four hours.

This course is devoted to guiding each student enrolled in the writing of a play.

**455—Introduction to Semantics.** Four hours.

Consent of instructor.

**461—Advanced Phonetics.** Four hours.

A study is made of English and foreign sounds. Students learn to distinguish these sounds one from the other and to establish the position of the vocal mechanism in the formation of the sounds. Some attention is given to the metamorphosis of English sounds. Each student makes a special analyzation of speech in a given limited area.

**462—History and Criticism of American Public Address.** Four hours.

The course is a study of the speakers (ministers, lawyers, statesmen, etc.) movements, and speeches that have been significant in American public address from colonial times to the present. Students will make a series of biographical speeches about the men and women studied.

**467—Discussion and Group Leadership.** Four hours.

Offered fall quarter.

The principles of effective conference and committee participation in problem solving.

**468—Advanced Debate.** Four hours.

Offered winter quarter.

The processes of argument, with detailed study of inductive and deductive reasoning. Organizing forensic tournaments, and problems in debate coaching.

**471a,b.—History and Design of Costume.** Two hours each.

Examination and analysis of costume. Designing suggestively accurate and authentic modifications for present-day production of period drama.

**472—Dramaturgy.** Four hours.

Prerequisite: Consent of instructor.

Examination and evaluation of theories of dramatic construction since Aristotle.

**474a,b—History of Theatre in America.** Two hours each.

**475—Study of Dialects.** Two hours.

**476—Debate Coaching.** Two hours.

**477—Classical Rhetoric.** Two hours.

**478—British Rhetoric.** Two hours.

**487—Summer Stock.** Twelve hours.

**488—Audience Analysis.** Four hours.

Prerequisite: Consent of instructor.

Characteristics of audiences, measurement of attitudes, an analysis of the major rating services.

**489—Mass Communication and Public Opinion.** Four hours.

Prerequisite: Consent of instructor. Speech 115 recommended.

Formation of public opinion and its relation to broadcasting.

**490—International Communication.** Two hours.

Prerequisite: Consent of instructor.

Survey of foreign broadcasting and special problems involved in communicating with people in other countries.

**492—Stuttering and Related Problems.** Four hours.

The various disorders of rhythm are discussed. The course includes a study of the cause and rational therapy of related rhythmical disorders, and covers a practical application of learned techniques to disorders found in our clinic.

**493—Cerebral Palsy Speech.** Four hours.

In this intensive study of the cerebral palsy problems, theories and significant therapies are discussed and evaluated. Students are given practical experience with persons possessing cerebral palsy.

**494—Cleft Palate Speech.** Four hours.

This course includes a study and application of the theories and significant therapies for cleft palate as reported in several texts and journals in the field.

**495—Delayed Speech and Aphasia.** Four hours.

The more intricate therapy for disorders of articulation and delayed speech are discussed. The problem of aphasia is treated. Students are given an opportunity to apply the theory of the course in working with difficult cases in the college clinic.

**496—Voice and Articulation.** Four hours.

The disorders involving hoarseness, extreme nasality, pitch abnormality, esophageal speech, and similar voice disorders are studied. Application of such study as is permitted by the cases enrolled in the college clinic is provided.

497—**Clinical Audiology.** Four hours.

(Offered alternate years.)

This course concerns advanced audiometric techniques and clinical audiology procedures.

498—**History of Speech Education.** Two hours.

499—**Problems in Speech.** One to four hours per quarter to a limit of six hours.

## THE SCHOOL OF COMMERCE AND BUSINESS ADMINISTRATION

Joseph A. Greene, Jr., Dean

### DEGREES OFFERED

The School of Commerce and Business Administration offers graduate study leading to the degree of Master of Science with a major in either Business Administration or Business Education and to the degree of Master of Arts with a major in Economics.

### GENERAL REQUIREMENTS

Information concerning admission to Graduate School, admission to candidacy for a Master's degree, fellowships, residence requirements and other regulations may be found under the general requirements of the Graduate School. All these regulations apply to students pursuing graduate work in the School of Commerce and Business Administration. Specific requirements are listed under the outlined curricula.

### ECONOMICS

Coldwell Daniel, III, Chairman

The program leading toward a Master of Arts with a major in Economics is designed to develop the student's critical faculties and technical competence within the field of Economics. The degree will be conferred upon candidates who (1) meet the general requirements of the Graduate School; (2) demonstrate a proficiency in an approved foreign language through either an examination or the presentation of sufficient undergraduate credits; (3) complete the special curriculum requirements as outlined below; (4) prepare and submit a thesis which indicates an ability to pursue research; and (5) after completing all these requirements, pass an oral examination.

In addition to regular college fellowships, several special fellowships sponsored jointly by business firms in Mississippi, Mobile, and New Orleans, are available to graduate students majoring in Economics. Business fellowships in Economics are awarded on the bases of academic achievement, character, and potential attainment within the field of economics. Application forms may be obtained by writing to the Dean of the Graduate School.

Graduate students in economics are organized in the Graduate Economics Club. The purpose of the Club is to promote scholarship, the advancement of economics, and fellowship among students of economics through seminars, meetings, social activities and awards.

### CURRICULUM REQUIREMENTS

ECONOMICS 500—Economic Analysis.....	4
ECONOMICS 510—Monetary Theory and Fiscal Policy.....	4
ECONOMICS 530—History of Economic Thought.....	4
ECONOMICS 550—Problems in Political Economy.....	4
THESIS.....	6
Minor—(At least one course above 500).....	16
Electives (With approval of advisor).....	8
<b>Total.....</b>	<b>46</b>

### BUSINESS ADMINISTRATION

Rector R. Hardin, Chairman

The purpose of the program leading to the degree of Master of Science with a major in Business Administration is to prepare persons for further graduate study and for positions of responsibility and authority within business firms. A student pursuing this program should have graduated in either Business or Economics and have completed Principles of Accounting, Principles of Economics, and at least one course in each of the following fields: Management, Marketing, Business Law, Finance, and Statistics. A student who is deficient in these requirements may be allowed to remove the deficiency while doing graduate work if the deficiency is not too great.

The degree will be conferred upon candidates who (1) meet the general requirements of the Graduate School, and (2) complete the special curriculum requirements as outlined below; and (3) pass an oral examination. A thesis is optional.

### CURRICULUM REQUIREMENTS

BUSINESS ADMINISTRATION 520—Problems in Management.....	4
BUSINESS ADMINISTRATION 580—Seminar in Finance.....	4
*ECONOMICS 500—Economic Analysis.....	4
MARKETING 535—Marketing Problems.....	4
*ACCOUNTING 525—Managerial Accounting.....	4
ELECTIVE IN BUSINESS ADMINISTRATION.....	4
MINOR—(At least one course above 500).....	16
THESIS or ELECTIVES.....	6
<b>Total.....</b>	<b>46</b>

\*A student who uses one of these courses on his minor must substitute an acceptable course over 500 in his major.

### BUSINESS EDUCATION

Martin Stegenga, Chairman

This program is designed for persons who plan to teach business subjects in junior colleges or small senior colleges, who desire Class AA certification in secondary school teaching, or who desire additional training for employment in the business world. A student pursuing this program should have completed an undergraduate major in Business Education; if not, he must become eligible for class A certification as a high school teacher of business subjects as a prerequisite to the completion of all requirements for the degree.

The Master of Science degree will be conferred upon candidates who (1) meet the general requirements of the Graduate School; (2) complete the special curriculum requirements outlined below; and (3) pass an oral examination. A thesis is optional. In addition, a comprehensive written examination covering course content may be required by the Department of Business Education.

### CURRICULUM REQUIREMENTS

BUSINESS EDUCATION 460—Office Management	4
BUSINESS ADMINISTRATION 540—American Financial Institutions	4
*ELECTIVES in SCHOOL of COMMERCE and BUSINESS	
ADMINISTRATION	16
EDUCATION 501—Research—Its Introduction and Methodology	4
EDUCATION 504—Foundations in American Education	4
EDUCATION 551—Advanced Methods in Business Teaching	4
EDUCATION 552—Seminar in Business Education	4
ELECTIVES OR THESIS	6
Total	46

\*Electives are to be chosen in consultation with the advisor.

### DEPARTMENT OF ACCOUNTING

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's or 700's and may NOT be taken by undergraduates.

### COURSE DESCRIPTIONS

**525—Managerial Accounting.** Four hours.

Prerequisite: Principles of Accounting.

A study of the uses of accounting statements and reports by management.

**400—Intermediate Accounting I.** Four hours.

Prerequisite: Accounting 73.

A study of fundamental processes, accounting statements, the accounting process, and classification of assets and liabilities.

**401—Intermediate Accounting II. (Formerly 421).** Four hours.

Prerequisite: Accounting 100 or 400.

A coverage of corporate capital and surplus, and analytical processes, including statements from incomplete data, errors and their correction, and statement of application of funds.

**422—Federal Income Tax Accounting I.** Four hours.

Prerequisite: Accounting 101 or 401.

An introductory course covering classification of taxpayers rates, taxable income, exclusions, deductions, expenses, losses, individuals' returns, payment of taxes, employment taxes, depreciation, amortization, depletion, tax accounting, long-term income and inventories.

**422a—Federal Income Tax Accounting II.** Four hours.

Prerequisite: Accounting 122 or 422.

A continuation of Accounting 422 with emphasis on installment sales, unpaid items, basis for gain or loss, capital gains and losses, net operating loss, partnerships, decedents, estates and trust, corporations, change in capital, liquidations, employees' plans, foreign taxes, deficiency, refund, estate, gift and excise taxes, and the revenue system.

**423—Elementary Cost Accounting.** Four hours.

Prerequisite: Accounting 401, or consent of instructor.

A beginning course in cost accounting, treating of terminology, the mechanics of process and job order cost accounting, the cost accounting cycle, accounting entries, and cost statements.

**423a—Advanced Cost Accounting.** Four hours.

Prerequisite: Accounting 423.

A continuation of Accounting 423, with coverage of estimated costs, standard costs, variance analysis, joint and by-product costs, distribution costs, budgets, profit planning, and cost reports and statements.

**424—Auditing I.** Four hours.

Prerequisite: Accounting 450.

A study of auditing principles, techniques, and procedures, professional ethics and legal responsibility, the audit program, field work, and the audit report.

**424a—Auditing II.** Four hours.

A continuation of Accounting 424 with emphasis on auditing principles and standards set forth by the American Institute of Accountants, and application of procedures and techniques through use of practice sets.

**450—Advanced Accounting (Formerly 421a).** Four hours.

Prerequisite: Accounting 401.

A comprehensive treatment of partnership accounting, consignments and installment sales, insurance, receiver's accounts, and annuities.

**451—Consolidated Statements and Accounting for Fiduciaries.** Four hours.

Prerequisite: Accounting 101 or 401.

A treatment of estate accounting, principles and reports, home office and branch accounting, parent and subsidiary accounting, consolidations and mergers, and foreign exchange.

**460—Current Accounting Theory and Research.** Four hours.

Prerequisite: Accounting 124 or consent of instructor.

The study of current accounting problems, with special emphasis on the published bulletins (pronouncements) of professional accounting organizations. Students will explore specific contemporary controversial topics and write research papers.

**472—Municipal and Governmental Accounting.** Four hours.

Prerequisite: Accounting 101 or 401.

A study of the principles and standards of governmental accounting, with emphasis on classification of accounts, fund accounting, statements and reports.

**473—Budgeting.** Four hours.

Prerequisite: Accounting 100 or 400.

An analysis of the procedures used in preparation of business budgets, with consideration given to the principles underlying these procedures, comparison of performance with the budget, and enforcement of the budget.

**474—Accounting Systems.** Four hours.

Prerequisite: Accounting 150 or 450.

A study of the nature and procedure of systems work with attention given to the design and use of business papers and forms, mechanical equipment and auxiliary devices, punched card accounting methods, journals, ledgers, internal checks, and applied accounting systems and procedures.

**475—CPA Problems.** Four hours.

Prerequisite: 28 hours in accounting and senior standing.

An intensive and comprehensive review of various phases of accounting through study of past C.P.A. examination problems. Recommended for those who plan to sit for the C.P.A. examination.

**478—Research in Accounting Problems.** One or two hours.

Prerequisites: Accounting 150 or 450, and approval of instructor.

A seminar course for advanced study in problems in cost accounting, budgeting, auditing, or income tax.

## DEPARTMENT OF BUSINESS ADMINISTRATION

**514B—Thesis. Six hours.** (Credit deferred until thesis is completed).**520—Problems in Management.** Four hours.

A seminar course for advanced study in problems in cost accounting, problems in current managerial practice.

**540—Survey of American Financial Institutions.** Four hours.

An integrated study of the American financial structure designed to give the student an understanding of all the major American financial institutions, their organizational structures, functions, interrelationships, methods of operation, and the services each one provides in our economy.

**580—Seminar in Finance.** Four hours.

A study of selected problems in business finance.

**426—General Insurance.** Four hours.

A beginning course in insurance, designed to explain the fundamental principles of risk bearing and to introduce the insurance mechanism as a device for reducing risk and sharing losses.

**431—Life Insurance.** Four hours.

A comprehensive treatment of life insurance with the use of materials paralleling those approved by the American College of Life Underwriters.

**467—Business Law II.** Four hours.

A study of the principles of law that apply to sale of personal property, insurance contracts, contracts of suretyship and guaranty, partnerships, deeds and conveyances, mortgages, leases, trusts, bankruptcy, and torts and crimes.

**482—Personnel Management.** Four hours.

A course covering the tools of personnel management, with principal emphasis on the major task of procuring, developing, maintaining, and using an effective working force.

**483—Introduction to Industrial Management.** Four hours.

The basic principles and policies with respect to the management of an industrial plant, covering such topics as plant location and layout, purchasing, materials handling, quality control, maintenance, and production control systems.

**489—Corporation Finance.** Four hours.

A course dealing with the organization of corporations, methods of financing and types of securities, analysis of causes of failure, and rehabilitation of bankrupt corporations.

**494—Investment Finance.** Four hours.

Prerequisite: Business Administration 189.

The techniques of investment analysis as applied to industrial, railroad, public utility, and other securities, with emphasis placed upon the importance of a knowledge of American industry.

## DEPARTMENT OF BUSINESS EDUCATION

**460—Office Management.** Four hours.

A study of the principles of management as applied to office work, covering office organization, supervision, layout, supplies, machines, training, office forms and reports, and office services.

**514B—Thesis. Six hours.** (Credit deferred until thesis is completed).**551—Advanced Methods in Business Teaching.** Four hours.

(See School of Education and Psychology).

**552—Seminar in Business Education.** Four hours.

(See School of Education and Psychology).

## DEPARTMENT OF ECONOMICS

**500—Economic Analysis.** Four hours.

Prerequisites: Principles of Economics and an advanced course in economics or the consent of instructor.

An advanced study of the theories of price and income.

**510—Monetary Theory and Fiscal Policy.** Four hours.

Prerequisites: Principles of Economics and an advanced course in economics or consent of instructor.

A study of the forces determining the general level of prices and of alternative monetary and fiscal policies in the light of social goals.

**514B—Thesis. Six hours.** (Credit deferred until thesis is completed).**530—History of Economic Thought.** Four hours.

Prerequisites: Principles of Economics and an advanced course in economics or the consent of instructor.

The development of economic theory since Adam Smith.

**550—Problems in Political Economy.** Four hours.

Prerequisites: Principles of Economics and advanced course in economics requiring economic analysis.

An examination of national economic problems and a critical analysis of the policies adopted to solve or to ameliorate them.

The undergraduate courses listed below, numbered in the 400's, may be taken also by graduate students with special permission from the dean of the Graduate School provided the courses have not been taken for undergraduate credit.

**405—Current Economic Problems, Part I.** Two hours.

Not to be used toward either a graduate major or a graduate minor in economics.

Prerequisites: Economics 55 and 56.

An introductory study and analysis of the major economic issues of our time.

**406—Social Security.** Two hours.

Not to be used toward either a graduate major or a graduate minor in economics.

Prerequisites: Economics 55 and 56.

A continuation of Economics 405.

**412—Economic Development of the United States.** Four hours.

A study of the economic forces that have led to the development of American economy as it exists today.

**427—Labor Problems.** Four hours.

The history of organized labor in the United States, with an analysis of the chief problems that confront labor today, and special emphasis on current legislation and court decisions.

**429—Public Finance.** Four hours.

Prerequisite: Principles of Economics.

A general course designed to acquaint the student with the various types of local, state, and federal taxes, principles of government finance, and the effects of government fiscal policy and economy.

**433—Money and Banking.** Four hours.

Prerequisite: Economics 54 or 55.

A study of the nature and functions of money, an analysis of commercial banking operations, the Federal Reserve System, foreign exchange, and the relation of banking to the entire economy through monetary policy.

**445—Economic Geography.** Four hours.

See Geography 445 for course description.

**460—Techniques of Analysis in Economics and Business.** Four hours.

Prerequisites: Economics 55 and 56.

A study of the techniques of theory construction and of empirical verification.

**469—Microeconomic Theory.** Four hours.

Prerequisite: Economics 55.

An intermediate course dealing with the determination of prices and income.

**471—Macroeconomic Theory.** Four hours.

Prerequisites: Economics 55 and 56.

An intermediate course dealing with economic growth and the determination of income, employment, and price level.

**480—Business Cycles.** Four hours.

Prerequisite: Economics 433.

An analysis of business cycles, with emphasis on their history and characteristics, and stabilization proposals.

**490—International Trade Theory.** Four hours.

Prerequisite: Economics 433.

A course covering the historical development of international trade, the importance of trade, the mechanism of international payments, and modern theories dealing with the subject.

**492—International Trade Practices.** Four hours.

Prerequisites: Economics 55, 56, and 133. Economics 190 recommended.

A study of the basic documents procedures, and practices of exporting and importing; of methods of financing international trade, and of current international trade problems.

**495—Comparative Economic Systems.** Four hours.

Prerequisite: Economics 54 and 55.

A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, communism, and capitalism.

## DEPARTMENT OF MARKETING

**535—Seminar in Marketing.** Four hours.

Prerequisites: Principles of Economics and Principles of Marketing.

An advanced study of marketing theories and phenomena.

**430—Principles of Marketing.** Four hours.

A study designed to give a general understanding of marketing in present day society, the channels involved in the distribution of goods, and the functions performed by the institutions and agencies in marketing.

**458—Market Research:** Four hours.

Prerequisites: Marketing 130 and Mathematics 120.

A study of principles and techniques used in market research and evaluation of such research.

**470—Marketing Problems.** Four hours.

Prerequisite: Marketing 130 and consent of the instructor.

An examination of specific problems in the field of marketing, including problems of the individual enterprise with relation to channels of distribution, pricing, promotion, organization and trends. The case method is employed.

**477—Promotion Development.** Four hours.

Prerequisites: Marketing 130, 134 and 137 or consent of instructor.

A study of the relationship of the business organization to the various interest groups which affect its promotional results, and the policies and procedures utilized in connection with such groups.

## DIVISION OF FINE ARTS

Frank Earl Marsh, Jr., Chairman  
Boxberger Joseph Longyear  
Huck Lok Mannoni

Pound  
Presser  
Stocker

## GENERAL INFORMATION

As a result of the increased demand for more than undergraduate training in all lines of the music profession, the Division of Fine Arts has established graduate programs to accommodate qualified students in limited fields of concentration. The general requirements for graduate study leading to a Master's degree are listed below, and fields of concentration are

shown. The division, however, treats each case individually, and although the courses outlined will serve as a general guide, the student has some choice in determining his course of study.

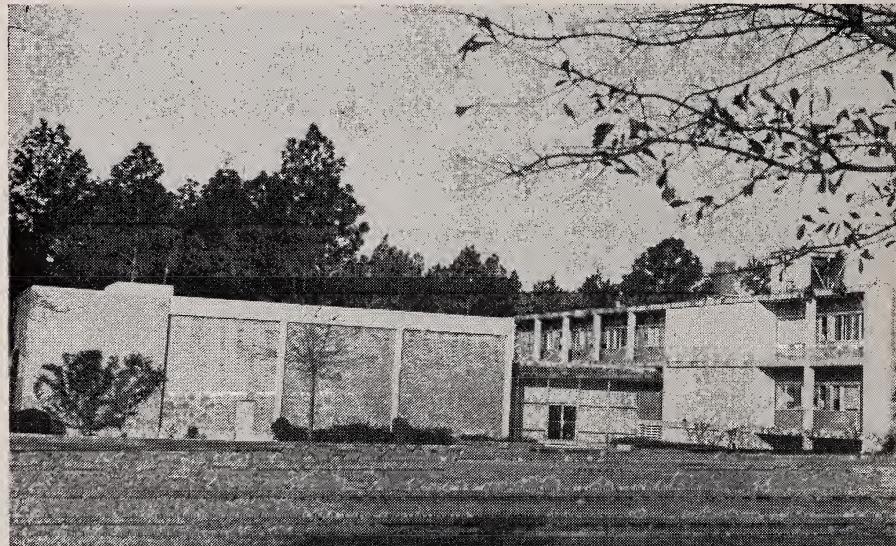
### MASTER OF MUSIC DEGREE

The degree of Master of Music is conferred at the recommendation of the graduate committee upon fulfillment of the following requirements:

1. The candidate must have completed **46** quarter hours of graduate study with a major in piano, organ, voice, violin, 'cello, or theory. The following distribution of credits is required:
  - (a) For a major in Applied Music (piano, organ, violin, 'cello, or voice.)
 

Major	15 quarter hours
Minor	3 quarter hours
Music Literature 527, 528, 529	12 quarter hours
Analytical Technic 521, 522, 523	6 quarter hours
Essay and Recital 515	10 quarter hours
  - (b) For a Theory Major:
 

Applied Music (Piano)	6 quarter hours
Pedagogy of Theory 524, 525, 526	6 quarter hours
Analytical Technic 521, 522, 523	6 quarter hours
Advanced Counterpoint 497, 498, 499	6 quarter hours
Advanced Composition 400, 401, 402	6 quarter hours
Advanced Orchestration 403, 404, 405	6 quarter hours
Essay and Arrangement for Symphonic Band or Orchestra 516	10 quarter hours
2. The candidate must have completed 48 hours of graduate study. A Bachelor of Music degree with at least 24 hours in music history and literature and at least 12 hours in theory (including counterpoint, orchestration and conducting), and a reading knowledge of German are required for this degree. The following distribution of credits is required:



MARSH HALL

## (c) For a Music Literature Major:

Analytical Technique 521, 522, 523.....	6 quarter hours
Advanced Counterpoint 497, 498, 499.....	6 quarter hours
Introduction to Research 513a, 513b, 513c.....	6 quarter hours
Special Studies 590, 591, 592.....	6 quarter hours
Musical Paleography 593, 594, 595.....	6 quarter hours
Thesis 514B .....	6 quarter hours

Twelve quarter hours selected from the following:

Music 597 (Music in the Middle Ages).....	4 quarter hours
Music 580 (Music in the Renaissance).....	4 quarter hours
Music 581 (Music in the Baroque Era).....	4 quarter hours
Music 582 (Music in the Classic Era).....	4 quarter hours
Music 583 (Music in the Romantic Era).....	4 quarter hours
Music 584 (Contemporary Music).....	4 quarter hours

**MASTER OF MUSIC EDUCATION**

The degree of Master of Music Education is conferred at the recommendation of the graduate committee upon the fulfillment of the following requirements:

1. The candidate must have completed 46 quarter hours of graduate study with a major in music education. The following distribution of credits is required:

Applied Music .....	6 quarter hours
Music Education 533, 534, 535.....	6 quarter hours
Music Education 530, 531, 532.....	6 quarter hours
*General Education .....	16 quarter hours

Six hours of theory selected from the following:

Advanced Counterpoint 497, 498, 499.....	6 quarter hours
Composition 464, 465, 466.....	6 quarter hours
Advanced Orchestration 403, 404, 405.....	6 quarter hours
Analytical Technic 521, 522, 523.....	6 quarter hours
Conducting (required without credit unless previously studied).....	6 quarter hours
Thesis 514B .....	6 quarter hours

\*Education 504, 510, 507, and 416 are recommended.

All students must pass an oral and written examination in the field in which they are taking their degree.

The candidate must have spent at least one academic year (three quarters, or three summer quarters of twelve weeks each) in residence in Mississippi Southern College, Division of Fine Arts. Applied music study is required throughout the year of graduate study.

**REGULATIONS**

**ADMISSION REQUIREMENTS:** Admission to graduate study in the Division of Fine Arts (Music) will be granted at the discretion of the graduate committee under the following conditions:

1. The candidate must have graduated from an accredited institution with the degree of Bachelor of Music or Bachelor of Music Education, or an equivalent degree.
2. He must present undergraduate credit of not less than the equivalent of 204 quarter hours.
3. The student must have maintained an overall average of a (B) in all subjects (music and academic) during his undergraduate study.

**TESTS AND AUDITIONS:** A testing program, for advising purposes, is one of the functions of the graduate school. The tests are given during the first week of the fall quarter and the first week of the summer quarter (for summer session students only) and are required of all graduate music students. Auditions for applied majors are given at the same time. Approval of the graduate faculty in music must first be obtained before a student may major in an applied field.

**DEFICIENCIES:** The college shall have the power to decide wherein a student is in any manner deficient, regardless of the number of credits accumulated, and shall recommend means whereby such deficiency may be removed.

**CANDIDACY FOR A DEGREE:** Admission to study in the graduate school does not imply acceptance to candidacy for a Master's degree. In order to become an actual candidate for the Master of Music degree or Master of Music Education degree, the student must meet the requirements of the approved list at least one quarter before the expected date of graduation. This involves (1) maintaining a satisfactory level of work in graduate courses (no less than "B"), and (2) presenting a brief outline for the treatment of the thesis topic, and (3) successful completion of comprehensive examination. Upon the completion of the course work and of the thesis, the candidate must be prepared to pass an oral examination on the material of his thesis.

**ENSEMBLE:** All resident graduate students shall attend recitals and be enrolled in the Hattiesburg Choral Union or Symphonic Band.

## COURSE DESCRIPTIONS

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's, when taken for graduate credit. All graduate courses are numbered in the 500's, 600's, or 700's and may NOT be taken by undergraduates.

### APPLIED MUSIC

502-503-504—**Violin or 'Cello.** One to five hours each quarter.

505-506-507—**Piano.** One to five hours each quarter.

508-509-510—**Voice.** One to five hours each quarter.

517-518-519—**Organ.** One to five hours each quarter.

### THEORY, MUSIC HISTORY, AND LITERATURE

513a-513b-513c—**Introduction to Research.** Two hours each quarter.

Prerequisites: Music 73, 74, 75, German 35, 36, 37.

The study of research techniques and heuristics: bibliographical compilation; investigation of the standard musicological literature; writing of research papers.

515—**Research Essay and Recital.** Ten hours.

Required for a major in applied music.

516—**Research Essay and Arrangement for Symphonic Band or Orchestra.** Ten hours.

Required for a theory major.

521-522-523—**Analytical Technic.** Two hours each quarter.

A graduate course in the technic of harmonic and contrapuntal analysis.

524-525-526—**Pedagogy of Theory.** Two hours each quarter.

A course in the teaching of theory for the graduate student.

527-528-529—**Music Literature.** Four hours each quarter.

Advanced work in various fields of musical literature with special emphasis on the style-analysis and the performance of music of all periods by members of the class.

530-531-532—**The Psychology of Music.** Two hours each quarter.

This course is designed particularly for teachers and prospective teachers of music. Its aim is to present material from the science of psychology which leads to an understanding of individual differences in musical capacities and concomitant applications in teaching. As a basic course it deals with the fundamentals which are essential to an understanding of current psychological Tests and Measurements in Music.

533-534-535—**Graduate Seminar in Music Education.** Two hours each quarter.

The major for those registered for the Master of Music Education degree. It is open by permission to other graduate students who are interested in the teaching of music in the university, college, conservatory, or public school.

This course reviews the current philosophy of education in this country, with special reference to the place of music in the curriculum. It also includes a review and criticism of music curricula, and an evaluation of the material and methods of the various types of music schools mentioned above.

In addition, the student will engage in a special study of some problem associated with that aspect of music teaching in which he is most interested. The general work of this course is adaptable to the interest of all teachers of music; the special studies allow a concentration in the field of the student's major activity.

536-537-538—**Advanced History of Music.** Two hours each quarter.

Prerequisites: 73, 74, 75. A seminar course. The various fields of music are covered in detail by means of individual report and papers from members of the class.

561-562-563—**Seminar in Music Literature.** Two hours each quarter.

Prerequisites: Music 73, 74, 75; German 85, 86, 87.

Study of the music of individual composers or of special areas of music history or literature.

570-571-572—**Symphonic Literature.** Two hours each.

Prerequisites: Music 73, 74, 75, 114, 115, 116.

The history and literature of the symphony orchestra from 1600 to the present; study and analysis of scores and recordings of concerts, symphonies, concert overture, and symphonic poems.

573-574-575—**Choral Literature.** Two hours each.

Prerequisites: Music 73, 74, 75.

A survey of accompanied and unaccompanied choral literature from Gregorian chant to the present.

576-577-578—**Chamber Music.** Two hours each.

Prerequisites: Music 73, 74, 75, 114, 115, 116.

A survey of music for small instrumental ensembles with emphasis on the string literature.

579—**Music in the Middle Ages.** Four hours.

An examination of the music of antiquity, the High Cultures, and the Near East; Greek theory; Gregorian chant; medieval monophony; rise of polyphony; Ars Antiqua; Ars Nova, and English Discant through Dunstable.

**580—Music in the Renaissance.** Four hours.

Prerequisites: Two quarters of Musical Palaeography; the third quarter must be taken concurrently with this course.

The Franco-Netherland schools and their Italian counterparts; dissemination of this musical language; rise of instrumental music; performance practice.

**581—Music in the Baroque Era.** Four hours.

Rise of oratorio and opera; keyboard literature; development of the concerto principle; instrumental ensembles; sacred and secular cantatas; performance practice.

**582—Music in the Clasic Era.** Four hours.

Development of the sonata-concept and its application to musical forms through Beethoven; performance practice.

**583—Music in the Romantic Era.** Four hours.

Expansion of the sonata-concept; symphonic poem and music drama; piano works and Lieder.

**584—Contemporary Music.** Four hours.

Examination of musical trends since Debussy and Mahler with special emphasis on American Music. Some composition in Twentieth-century style.

**590-591-592—Special Studies.** Two hours each quarter.

Investigation of specialized areas in music history or literature, with emphasis on individual student work.

**593-594-595—Musical Palaeography.** Two hours each quarter.

The study and transcription of keyboard and lute tablatures and white mensural notation.

The undergraduate courses listed below, numbered in the 400's, may be taken also by graduate students with special permission from the dean of the Graduate School provided the courses have not been taken for undergraduate credit.

**400-401-402—Advanced Composition.** Two hours each.

Prerequisite: 164-165-166.

Writing in larger forms for various choral and instrumental combinations.

**403-404-405—Advanced Orchestration.** Two hours each.

Prerequisite: 167-168-169.

**406-407-408—Music in World Civilization.** Two hours each.

A background of cultural history designed for the music student: the place of music in the educational, religious, social and esthetic life of all people and all ages.

**433a,b,c—Music Education Workshop.** One and one-half hours each.

**464-465-466—Composition.** Two hours each.

Prerequisites: 114-115-116 and 117-118-119.

Composition in the smaller forms. Contemporary techniques.

**497-498-499—Advanced Counterpoint.** Two hours each.

Prerequisite: 117-118-119.

Eighteenth century canons and fugal writing. Sixteenth century writing in madrigal style.

## DIVISION OF HOME ECONOMICS

Bertha M. Fritzsche, Chairman  
Barnett Golden  
Drain Thompson

Graduate work in the Division of Home Economics offers the opportunity to earn the Master of Science or The Master of Education degrees.

## **General Points**

1. Graduate work in the major department must be preceded by at least enough course work in that department to satisfy the undergraduate requirements for a major or enough related work to satisfy the head of the major department that the student can successfully do graduate work in the field chosen as his major. Graduate work in the minor department, or departments, must be preceded by at least enough course work in each department in which the student minors to satisfy the undergraduate requirements for a minor, or enough related work to satisfy the head of the minor department that the student can successfully do graduate work in the field chosen as his minor.
  2. Upon the completion of the graduate program a comprehensive oral examination covering major and minor fields will be required to fulfill the qualification for a degree.
  3. Students may have the option of the thesis plan or the non-thesis plan. A four-quarter hour course in research must be completed, regardless of the choice of plan—Thesis Option or Nonthesis Option.
  4. General requirements for admission to the Graduate School and admission to candidacy for a Master's degree may be found listed elsewhere in this bulletin.



## HOME ECONOMICS BUILDING

**MASTER OF SCIENCE DEGREE**

Plan for major and minors for the Master of Science Degree earned in the Division of Home Economics:

**A. Major and Minor Areas****1. Suggested major areas:**

Child Development  
Family Living  
Institution Management  
Home Economics Education

**2. Suggested minor areas:**

Child Development  
Clothing and Textiles  
Family Living  
General Home Economics  
Home Management  
Foods and Nutrition  
Equipment  
Psychology  
Sociology  
Education

**3. Suggested combinations:**

Major	Minor
Child Development	Family Living or Food and Nutrition
Family Living	Child Development or Food and Nutrition or Home Management
Institution Management	Food and Nutrition or Home Management or Equipment
Home-Economics Education	General Home Economics

**B. Thesis Plan**

1. Eighteen to twenty hours in a major area exclusive of thesis. For the major in Home Economics Education two courses in Education are required; Education 501 and Education 504.
2. Six hours for thesis.
3. A choice of:
  - a. A minor of sixteen hours in an area other than that of the major. General Home Economics is recommended for those majoring in Home-Economics Education.
  - b. One minor of eight quarter hours with eight quarter hours of supporting electives.
4. Education 501—**Research: Its Introduction and Methodology, Four hours.**

**C. Nonthesis Plan**

1. Twenty-eight hours in a major area. For the major in Home Economics Education two courses in Education are required: Education 501 and Education 504. Six

special problem, or an internship in or related to the specialized area. This part of the program must be preceded by the course, Education 501 or the equivalent, and sufficient course work to satisfy the student's advisory committee.

\*Example: Graduate work at Merrill Palmer as approved in 1955.

2. A choice of:

- a. A minor of sixteen quarter hours in an area other than that of the major. General Home Economics is recommended for those majoring in Home-Economics Education.
- b. One minor of eight quarter hours with eight quarter hours of supporting electives.

### **Home Economics Education**

The Master's program in Home-Economics education is designed for (1) teachers of homemaking education in the public school; (2) teachers of home economics on the junior college level and (3) those interested in supervisory positions in home economics. Those preparing for teaching homemaking education may follow the thesis plan or the nonthesis plan. Those preparing for teaching home economics on the college level and for supervisory positions in home economics are advised to write a thesis.

Students who elect this major for their Master's degree should have complied with the undergraduate requirements in home-economics education or the equivalent. The Master of Science degree or the Master of Education degree may be earned for the major in home economics education.

### **Master of Education**

In planning for the courses in the Master of Education program, a student should select 16 hours from education, 12 to 16 hours from home-economics education, and 16 to 24 hours from subject-matter courses.

#### **CURRICULUM PRESCRIPTIONS**

I. Courses in education to total 16 quarter hours

Select courses from each of the following areas:

A. Philosophy

EDUCATION 504—Foundations in American Education. Four hours.  
Select two courses from the following:

B. Research, Curriculum, Educational Psychology

EDUCATION 501—Research: Its Introduction and Methodology.  
Four hours.

EDUCATION 507—Basic Course in Curriculum Development. Four  
hours.

EDUCATION 510—Advanced Educational Psychology. Four hours.

C. EDUCATION ELECTIVE. Four hours.

Note: An elective may be selected from courses in Guidance,  
Audio-visual Education, Secondary Education, Elementary  
Education.

II. Courses in home-economics education to total 12 to 16 quarter hours  
exclusive of thesis.

HOME ECONOMICS 514B—Thesis. Six hours.

HOME ECONOMICS 600—Supervision of Home Economics. Four hours.

- HOME ECONOMICS 602—Home Economics in American Education.  
Four hours.
- HOME ECONOMICS 604—Curriculum Problems in Home Economics.
- HOME ECONOMICS 608—Seminar in Home Economics. Two to six hours.
- HOME ECONOMICS 612—Special Problems in Home Economics. Two to six hours.
- HOME ECONOMICS 614—Teaching Homemaking to Adults. Four hours.
- HOME ECONOMICS 652—Teaching Family Living on the Secondary Level. Four hours.

- III. Courses in areas of subject-matter to a total of 16 to 20 quarter hours may be taken from the following, depending upon the interest of the student and the recommendation of the advisor.

- HOME ECONOMICS 640—Home Engineering. Four hours.
- HOME ECONOMICS 650—Early Marriage Adjustments. Four hours.
- HOME ECONOMICS 651—The Family in the Community. Four hours.
- HOME ECONOMICS 654—Parents and Children. Four hours.
- HOME ECONOMICS 660—Institute on the Bishop Method of Clothing Construction. Basic Course. One and one-half hours.
- HOME ECONOMICS 661—Institute on the Bishop Method Applied to Tailoring. One and one-half hours.
- HOME ECONOMICS 662—Institute on the Bishop Method Applied to Tailoring and the Cutting-to-fit Course. Two hours.
- HOME ECONOMICS 670—Textiles: Recent Development. Two hours.
- HOME ECONOMICS 674—Special Problems in:

Two to six quarter hours may be earned in any of the following areas:

- a. Clothing
- b. Household Equipment
- c. Child Development
- d. Nutrition
- f. Family Living
- g. Home Furnishings
- h. Home Management

- HOME ECONOMICS 675—Community Health and Nutrition. Four hours.
- HOME ECONOMICS 677—The Nutrition of Children. Four hours.
- HOME ECONOMICS 679—School Lunch Supervision. Four hours.
- HOME ECONOMICS 420—Advanced Child Development. Four hours.
- HOME ECONOMICS 422—Experimental Foods. Four hours.
- HOME ECONOMICS 444—The School Lunch. Four hours.
- HOME ECONOMICS 456—Textile Economics. Two hours.
- HOME ECONOMICS 476—Diet in Disease. Four hours.
- HOME ECONOMICS 478—Advanced Nutrition. Four hours.

Graduate courses in SOCIOLOGY and HEALTH upon approval of advisor.

## COURSE DESCRIPTIONS

All undergraduate courses that may be allowed for graduate credit are numbered in the 400's when taken for graduate credit. All graduate courses are numbered in the 500's, 600's or 700's and may NOT be taken by undergraduates.

**514B—Thesis.** Six hours. (credit deferred until thesis is completed).

**600—Supervision of Home Economics.** Four hours.

Designed for high school home-economics teachers interested in the student-teacher program. The course stresses the supervisory practices and procedures for promoting student-teacher growth and development. Supervisory problems in guidance of students for homemaking education teachers will be included.

**602—Home Economics in American Education.** Four hours.

This course is a brief survey of Home Economics in American Education. It is designed to give understanding of the trends and issues in curriculum development, instruction, guidance, supervision, administration and research in this field.

**604—Curriculum Problems in Home Economics.** Four hours.

A course for teachers which deals with problems in curricula making. It will include the place of homemaking education in the total school curriculum, as well as the curriculum for that specialized area. Opportunity will be given for students to work out practical problems relating to their local schools.

**608—Seminar in Home Economics.** Two to six hours.

Seminar problems may be taken for two, four, or six quarter hours of credit.

**610—Home Economics in Higher Education.** Four hours.

Home economics at the college level will be studied with special reference to that of the junior college. Problems in development of the curriculum, in college instruction, in guidance of students, in administrative problems and in evaluation of a department will be considered.

**612—Special Problems in Home Economics.** Two to six hours.

Students will be encouraged to choose for investigation research problems which are pertinent to their situation.

**614—Teaching Homemaking to Adults.** Four hours.

A study of the adult homemaking-education program with experiences which will help to effectively participate in it. Special problems will be included on the graduate level.

**640—Home Engineering.** Four hours.

This course includes a study of the selection, placement, and storage of home appliances and their use as is related to the mechanical features. Considerable time will be spent in design characteristics of the various appliances and the media used. The adaption of certain activities to adult programs, as well as to the junior and the senior high schools, will be made.

**650—Early Marriage Adjustments.** Four hours.

Deals with the social-psychological aspects of the pair relationship during engagement and early marriage. Emphasis will be placed on interaction and communication as the pair faces the determining of family goals, the use of resources, planning for the family, and living together.

A study will be made of college marriages.

**651—The Family in the Community.** Four hours.

Designed to help teachers better understand the social setting in which their students live and its importance in the development of family living courses to meet student needs.

**652—Teaching Family Living on the Secondary Level.** Four hours.

A study of the theory, content, and methods of marriage and family life education at the secondary level.

Designed to meet the needs of high school teachers and administrators in this area.

**654—Parents and Children.** Four hours.

This course is offered to students who are interested in parent-child relationships. Emphasis will be given to parent-child inter-action home-school relationships and methods of working with parents in groups and individually.

**660—Bishop Method of Clothing Construction.** One and one-half hours.

Workshop in clothing construction in which student is taught the newest development in teaching clothing construction, the unit method introduced by Mrs. Edna Bryte Bishop.

**661—Institute on the Bishop Method Applied to Tailoring.** One and one-half hours.

Prerequisite: Home Economics 660.

**662—Institute on the Bishop Method Applied to Tailoring and the Cutting-to-fit Course.** Two hours.

Prerequisite: Home Economics 660.

**670—Textiles: Recent Developments.** Two hours.

**674—Special Problems in:**

Two to six hours may be earned in any of the following areas:

- A. Clothing
- B. Household Equipment
- C. Child Development
- D. Nutrition
- E. Housing
- F. Family Living
- G. Home Furnishings
- H. Home Management

**675—Community Health and Nutrition.** Four hours.

The course is planned to give insight and understanding of the relation of the development and training of pupils enrolled in classrooms to conditions and facilities of their community. Health will be discussed not only from the physical aspect of the individual, but from the mental, social, economic, and spiritual requirements necessary for wholesome development. Students will be expected to make a survey of the health facilities of their community and study methods for determining the nutritional status and food habits of pupils in a classroom. Each student will prepare an original paper on a problem in this field in which she has a special interest.

**677—The Nutrition of Children.** Four hours.

The course will deal with the application of the basic principles of nutrition in the growth and development of children, beginning with birth and continuing through early childhood, school age, and adolescence to maturity. Methods of studying visible and invisible growth, of recognizing hidden hunger and arrested development will be explored; the relation of nutrition to the mental, social, and emotional development of the individual will be considered; also the factors influencing food practices in families. The course will include some guided observation of children in assigned periods.

**678—Quantity Food Preparation.** Four hours.

Prerequisite: Approval of instructor.

One lecture and six hours of laboratory.

Application of basic principles of cookery to preparation of food in large quantities; standardization of formulas with reference to quantity, manipulation, and cost. Use of institution food service equipment.

**679—School Lunch Supervision.** Four hours.

A study of school lunch program, of organization and administration with experiences which will help the school lunch supervisor in supervising school lunch programs on the city, county, state, and national level.

**680—Institution Organization. and Administration.** Four hours.

Analysis of quantity food service operations as related to methods of control, selection and training of personnel, labor laws, employer-employee relationships so as to produce a system of order into a group of related activities and provide the means for their direction and development.

The following advanced courses in home economics for undergraduates, taught by members of the graduate faculty, may be taken by graduate students with special permission from the Dean of the Graduate School and the Chairman of the Division of Home Economics provided the courses have not been taken for undergraduate credit.

**412—Textiles.** Four hours.

A practical consumer study of textiles; the fibers, structure, design, finish, and quality of fabrics for clothing and house furnishings including selection, use, and care.

**420—Advanced Child Development.** Four hours.

This course is for students interested in further study of pre-school children and in developing techniques and accepting full responsibilities in the daily activity of the nursery school.

Special problems will be included on the graduate level.

**442—Experimental Foods.** Four hours.

Prerequisite: Home Economics 85.

This course will include elementary research to determine factors affecting standard products, and experimentation in preparation, ingredients, methods of cooking, temperature and utensils used. Special problems will be included on the graduate level.

**444—The School Lunch.** Four hours.

Prerequisite: Home Economics 85.

This course will include actual experience in menu planning, large quantity food preparation for school-lunch rooms, food buying, serving, a study of equipment and organization for school lunch rooms. Special problems will be included on the graduate level.

**451—Marriage and The Family.** Four hours.

This course is designed to give the student a better understanding of the factors that contribute to success and happiness in marriage. Preparation for marriage, marriage adjustment, family functions and situations, and factors making for successful living will be emphasized. Special problems will be included on the graduate level.

**456—Textile Economics.** Two hours.

A study of problems which affect the consumer in the production, distribution, and consumption of textiles and clothing. Survey of recent developments in the textile and clothing field.

**476—Diet in Disease.** Four hours.

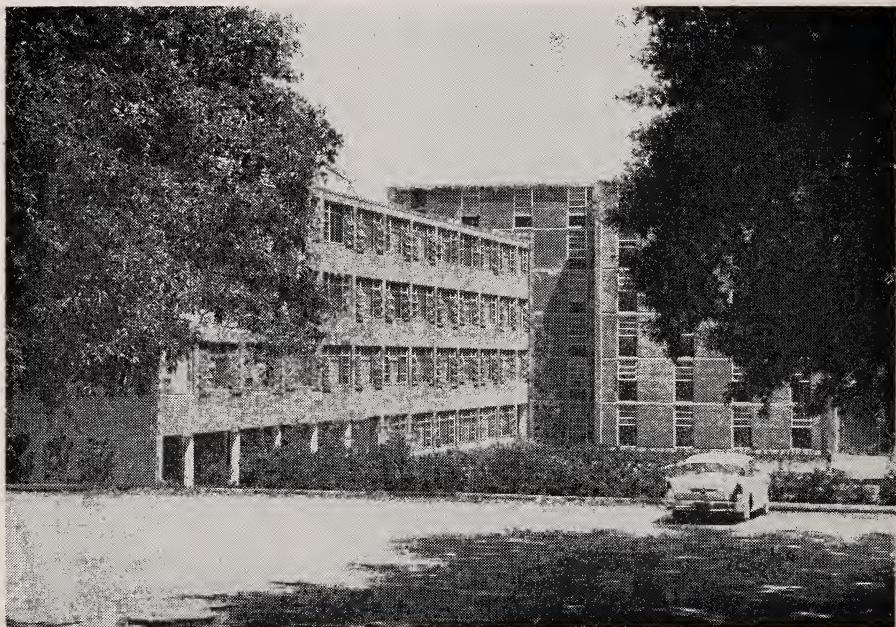
This course will involve study of diseases which are influenced by diet and the dietetic treatment of these diseases. Special problems will be included on the graduate level.

**478—Advanced Nutrition.** Four hours.

Four 1-hour periods weekly.

Prerequisite: Foods and Nutrition 135.

Study of current literature for newer findings in the field of nutrition.



WOMEN'S DORMITORIES

**REGISTER FOR 1958-59****DEGREES GRANTED****JUNE 7, 1959****MASTER OF EDUCATION**

NAME	MAJOR	ADDRESS
Inez Formby Barker	Elementary Education	Mobile, Ala.
Jan Hall Bates	School Administration	Bogalusa, La.
Daniel R. Fornea	School Administration	Varnado, La.
Robert Harold Goold, Jr.	Health & Physical Education	Burbank, Calif.
Sarah R. Hennington	Elementary Education	Hattiesburg, Miss.
Robert Merrill Jordan	Health & Physical Education	Yazoo City, Miss.
William Clyde Kirk	School Administration	Mobile, Ala.
Mary L. Welch McKenzie	Secondary Education	Columbia, Miss.
Evans J. Martin	School Administration	Leakesville, Miss.
John Paul Radloff	Elementary Education	Mendenhall, Miss.
James F. Rayburn	School Administration	Columbia, Miss.
Eleanor Castle Rawls	Elementary Education	Poplarville, Miss.
William Theron Richardson	School Administration	Hattiesburg, Miss.
Theodore J. Schliesser	School Administration	Moss Point, Miss.
Walter Prestley Sessions	School Administration	Grand Bay, Ala.
Clyde Smith	School Administration	McLain, Miss.
Joyce Fortenberry Smith	Secondary Education	Lumberton, Miss.
Hollis Watson Stephenson	School Administration	Columbia, Miss.
Lois Jones Stevenson	Elementary Education	Hurley, Miss.
Carl B. Stewart	Secondary Education	Vicksburg, Miss.
Winfred R. Strickland	Biology	Wesson, Miss.
Beatrice Womack Tharp	Elementary Education	Hattiesburg, Miss.
Riley L. Truhett	School Administration	Gulfport, Miss.
Artis W. Walters	School Administration	Bogalusa, La.
Charlie A. Weeks	Health & Physical Education	Columbia, Miss.
Sam T. Wilkes	School Administration	Moss Point, Miss.

**MASTER OF ARTS**

Glenn Robert Swetman	English	Biloxi, Miss.
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**MASTER OF SCIENCE**

Dallas Guyron Biggers	Secondary Education	Moss Point, Miss.
Kathleen K. Bogle	Secondary Education	Lumberton, Miss.
Joseph Gene Craven	Secondary Education	New Orleans, La.
Oliver Terrell Deen, Jr.	Administrative Personnel and Counseling	Picayune, Miss.
William Alfred Evans	English	Albuquerque, New Mexico
Homer Frederick Frailey	Secondary Education	Biloxi, Miss.
Vera Fredendoll	Administrative Personnel and Counseling	Hattiesburg, Miss.
Jean Nellita Goen	Administrative Personnel and Counseling	Biloxi, Miss.
Billie Joe Grantham	Biology	Stringer, Miss.
Norma Brandenburg Haas	Administrative Personnel and Counseling	Mobile, Ala.
Iola Shreve Hazel	Administrative Personnel and Counseling	Mobile, Ala.
George Carl Johnson	Secondary Education	Gulfport, Miss.
Morris M. Jones	Commerce	Hattiesburg, Miss.
Peggy Roberts Kimmel	Business Education	Amory, Miss.
Mary Jane Eure Loper	Administrative Personnel and Counseling	Hattiesburg, Miss.

## MISSISSIPPI SOUTHERN COLLEGE

Alvin Jenkins Lowe	Psychology of Reading	Hattiesburg, Miss.
Nancy Willene McIntosh	Administrative Personnel and Counseling	Lucedale, Miss.
Louella Gill Milner	Home Economics Education	Hattiesburg, Miss.
Daisy Regina Nelli Pinto	Health & Physical Education	Salvador-Bahia, Brazil
James Phillip Roberts, Jr.	Commerce	Calumet, Mich.
John Edward Russ	Health & Physical Education	Hallsboro, N. Carolina
Marianna S. Simmons	English	McComb, Miss.
Marsha Ann Stewart	Administrative Personnel and Counseling	Bogalusa, La.
Kiah Stockstill, Jr.	Administrative Personnel and Counseling	Picayune, Miss.
Mildred Myers Sullivan	English	Port Gibson, Miss.
Sarah Nell Taylor	Psychology of Reading	Laurel, Miss.
Billie West Thomas	Speech Correction	Booneville, Miss.
Sam David Thomas	Administrative Personnel and Counseling	Booneville, Miss.
Mattie L. Traylor	Administrative Personnel and Counseling	Hattiesburg, Miss.
Louise Sara Watts	Business Education	Columbia, Miss.
Robert Wayne Weathers	Health & Physical Education	Hattiesburg, Miss.
Wayne Winstead, Jr.	Health & Physical Education	Pelahatchie, Miss.

**MASTER OF MUSIC EDUCATION**

Janet Campbell Slade	Music Education	Hattiesburg, Miss.
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**MASTER OF MUSIC**

Helen Thompson McWhorter	Piano	Hattiesburg, Miss.
Bonnie Fleming Merrifield	Voice	Laurel, Miss.

**AUGUST 23, 1959****MASTER OF ARTS**

NAME	MAJOR	ADDRESS
James Jourdan Alfred	Administrative Personnel and Counseling	Pensacola, Florida
Margaret Henoerson Anderson	Secondary Education	Lumberton, Miss.
Mary Stella Boykin	Elementary Education	Burns, Miss.
Margie Bickham Burris	School Administration and Supervision	Franklin, La.
Agnes Ganey Byrd	Elementary Education	Bogalusa, La.
William L. Calhoun	School Administration	Braxton, Miss.
Edgar Earl Castles	School Administration	Chunky, Miss.
Billy Moore Coleman	School Administration	Pascagoula, Miss.
Kathleen De Bra	Home Economics Education	Mobile, Ala.
Hugh Leonard Dickens	School Administration	Collins, Miss.
Katherine Norman Dunagin	Elementary Education	Hattiesburg, Miss.
Gordon Hale Eddy	Secondary Education	Catlettsburg, Kentucky
Mary Myrtle Jones Greer	Administrative Personnel and Counseling	Carlisle, Miss.
Carl Hancock	School Administration	Summit, Miss.
Louise Harris	Elementary Education	Jackson, Miss.
Johnnie Thurman Hernandez	School Administration	Bogalusa, La.
Duell Hewlett	School Administration	Pascagoula, Miss.
Elsie B. Hinton	Elementary Education	Meridian, Miss.
Inez Carr Hooper	School Administration	Gulfport, Miss.
Ruth Cooper Hosey	Elementary Education	Bogalusa, La.
Rosamond Lockett Killebrew	Secondary Education	Biloxi, Miss.
Lenwood A. Landrum	School Administration	Wilmer, Ala.

Billy Fred Laird	School Administration	Hattiesburg, Miss.
Toxie Hall Luckey	School Administration	Ocean Springs, Miss.
Alma M. McCullough	Elementary Education	Summit, Miss.
J. C. McGuire, Jr.	School Administration	Gulfport, Miss.
Mattie C. Campbell McMillan	Home Economics Education	Newton, Miss.
Edith Joyce Magee	Elementary Education	Collins, Miss.
Carl Douglas Mizell	School Administration	Lucedale, Miss.
Cliff Padgett	School Administration	Laurel, Miss.
Peggy Jean Allison Parker	Elementary Education	Tippo, Miss.
Louis Jackson Pennell	School Administration	Vancleave, Miss.
Mavis Williams Price	Elementary Education	Meridian, Miss.
Wilda Warner Rester	Elementary Education	Bogalusa, La.
Melissa Odom Ridgway	Elementary Education	Laurel, Miss.
Horace Bryan Roberts	School Administration	Brookhaven, Miss.
John Thomas Russell	Secondary Education	Monticello, Miss.
Faye Lingle Seebeck	Elementary Education	Crystal Springs, Miss.
Allen Kent Sills	School Administration	Kosciusko, Miss.
Jimmie Quay Wilson Simmons	Home Economics Education	Pensacola, Florida
Houston Louis Staring	Secondary Education	Jackson, Miss.
Maryland June Stockstill	School Administration	Picayune, Miss.
Alberta Butts Stuart	Elementary Education	Poplarville, Miss.
C. B. Stuart	School Administration	Poplarville, Miss.
Don Mike Sullivan	School Administration	Bogalusa, La.
Oran Malcolm Thomas	School Administration	Lumberton, Miss.
Wyatt Tullos	School Administration	Carthage, Miss.
Virgil Franklin Underwood, Jr.	School Administration	Bogalusa, La.
Siddie Clayton Wedgeworth	Elementary Education	Lauderdale, Miss.
Herbert Waynne Wilson	School Administration	Aberdeen, Miss.

**MASTER OF ARTS**

Marilyn Joyce Lane	English	New Hebron, Miss.
Henry H. Lansford, Jr.	English	Laurel, Miss.
Hershel Woodley Lott	English	Seminary, Miss.
Dana Gene McKinnon	English	Laurel, Miss.
James Henry Quina, Jr.	English	Mobile, Ala.

**MASTER OF SCIENCE**

James Vernon Allen	Mathematics (Teaching of)	Bogalusa, La.
John Burchard Balch	Psychology	Cleveland, Ohio
Charles Frederick Beasley	Health and Physical Education	Somerset, Kentucky
James Francis Bellipanni	Health and Physical Education	Indiana, Miss.
Miriam Dolores Brumfield	Health and Physical Education	Prichard, Ala.
John Theodore Buchholtz, Jr.	History (Teaching of)	Vicksburg, Miss.
Robert Clayborn Burrows	Administrative Personnel and Counseling	Fort Walton Beach, Fla.
Melvin Edward Carpenter	Health & Physical Education	Perkinston, Miss.
William Lewis Costley, Jr.	History (Teaching of)	Bude, Miss.
Cecil Woodard Farrar, Jr.	Health & Physical Education	Waynesboro, Miss.
Richard Erby Foil	Administrative Personnel and Counseling	Poplarville, Miss.
Robert Owen Garrison	Health & Physical Education	Sumrall, Miss.
Wanda Argatha Hamilton	Health & Physical Education	Thomastown, Miss.
Betty Dennis Hankins	Home Economics	Purvis, Miss.
Elizabeth Kirkpatrick Jenkins	Administrative Personnel and Counseling	Hattiesburg, Miss.
Oscar Eugene Jenkins	Industrial Arts (Teaching of)	Picayune, Miss.
James Franklin Johnston	Health & Physical Education	Ethel, Miss.
Leo Paul Jones	Health & Physical Education	Corinth, Miss.
Fred Dill Kenamond	Business Education	Jackson, Miss.
Florence Strug Kerner	History (Teaching of)	Bogalusa, La.

Yvonne Nell Killingsworth	English (Teaching of)	Lorman, Miss.
Ovelar S. King	School Administration	Crosby, Miss.
Quincy Albert Long	Biology (Teaching of)	Ellisville, Miss.
Della Marie McCaughan	Biology (Teaching of)	Biloxi, Miss.
Bernard Patrick McCormick	English (Teaching of)	Picayune, Miss.
George L. Marcoulier	Health & Physical Education	Arlington, Mass.
Robert Lee Mason	Administrative Personnel and Counseling	Foley, Ala.
Robert H. Mathis	History (Teaching of)	Foley, Ala.
Kenneth Harlon Martin	Business Education	Carson, Miss.
Jack Archibald May	Health & Physical Education	Milwaukee, Wis.
Perry Lou Milner	English (Teaching of)	Mount Olive, Miss.
Jimmie Joe Milstead	Health & Physical Education	Bassfield, Miss.
James Loring Moncrief	History (Teaching of)	Talladega, Ala.
Robert Hamilton Montague	Administrative Personnel and Counseling	Hattiesburg, Miss.
William Warren Morris	Health & Physical Education	McComb, Miss.
Betty Merle Parish	Business Education	Petal, Miss.
Robert G. Posey	Health & Physical Education	Philadelphia, Miss.
Argel Hungerford Schuck	Business Education	Hattiesburg, Miss.
Peggy Johnson Sellers	Business Education	Magee, Miss.
Jane Carolyn Sullivan	Business Education	Mize, Miss.
Kenneth I. Sumrall	Speech	Hattiesburg, Miss.
Billy Bass Thamess	Health & Physical Education	Monticello, Miss.
Rosemary Holcomb Thompson	Business Education	Hattiesburg, Miss.
Kathryn Lokey Van Wick	Home Economics Education	Hattiesburg, Miss.
S. Gayle Whittfield	Biology	Picayune, Miss.
Sherrill Williams	Administrative Personnel and Counseling	Jacksonville, Georgia

**MASTER OF MUSIC EDUCATION**

Harriette Cosby Cowart	Music Education	Daisetta, Texas
Camellia Ongais	Music Education	Olaa, Hawaii
Elizabeth Anne Roberts	Music Education	Limestone, Tenn.
Francis Shivers	Music Education	Newhebron, Miss.
Robert Livingston Ware	Music Education	Hattiesburg, Miss.

**MASTER OF MUSIC**

Oscar Eugene Clement	Voice	Perkinston, Miss.
William Travis Rutledge	Piano	Wesson, Miss.







